

Chapter 1 : Best Laptops for Graphic Designers | JUST a Creative

The Best Windows Graphic Design Software of We've been testing graphic design software for the past eight years. This year we spent over 50 hours comparing programs to find the best of the best.

Games Best PC for Graphics Design and Animation in Picking the best PC for graphics design and animation work requires a deep understanding of hardware requirements for popular graphics designing and animation software. Newbie graphic designers are often unsure about the best PCs for Graphic Design and Animation they should buy to practice graphic design skills. As compared to ordinary users who use computers just for entertainment or simple documents editing or other similar tasks a graphic designer need a more powerful computer. For those people who use the computer for professional purposes, need a powerful computer with extra RAM and processing power. Popular Graphics Designing and animation software requires a computer with a lot of memory and processing power to run properly. Graphic Design Computer Requirements Popular Graphics Designing and animation software requires a computer with a lot of memory and processing power to run properly. Here are the recommended system requirements for most popular graphics designing and animation software. Click on each software to view detailed system requirements provided on the official website. Corel Draw Graphics Suite: The above list is just to get an idea about the system requirements for some of the popular graphics software. Here we compiled a list of computers available in the market to help you to pick the best PC for graphics design. What type of computer is best for a graphic designer? After reading the system requirements for most of the modern graphics designing software, Now you can easily guess what type of computer is best for a person who is doing graphics designing or animation work. The best PC for graphics design work should meet the following important hardware requirements. What you should know? Processor Graphics Designers need a PC with a powerful a processor. Therefore it is crucial that you have enough RAM on your computer. Storage Graphics designing and animation software are big in size because they come with a lot of mini tools, plugins, images, etc. To install such a big software, you need free space on your HDD. Always make sure that there is a powerful GPU with dedicated memory available while purchasing a computer. Now you have all the basic understanding of what are the most critical hardware requirements for the best matching PC for you. This list includes top computer manufacturers such as Asus, Apple, Acer, and Dell. If you think there are better graphic design computers out there, then please let us know in the comments below. It is a gaming PC from all aspects and one of the best PC for graphics designing and video editing. A powerful Intel HD graphics card make sure you got all the power to meet your graphics designing requirements. All those graphic designers and animators out there who are in love with Apple, this is the machine for you. It has an Intel HD series graphics card with shared memory. Acer Aspire T3 has all the processing power and storage capabilities to run any graphics design and Animation software. It comes with Windows 10 Home bit. You can also upgrade to Windows 10 Pro. Dell Inspiron Desktop Gamer Edition is perfect for playing all latest games and even for online gaming battles. Due to its powerful hardware, it can also run most of the modern animation and graphic designing software without any problem. So, if you are looking for a new PC to practice your graphics and animation skills in , now you have a good idea to buy a new PC.

Chapter 2 : The best computer for graphic design in | Creative Blog

Best cheaper graphic design laptop: Acer Aspire 5 \$ / £ If you're on a sub \$1,/\$1, budget, we recommend the Acer Aspire 5 - a smart and competent mid-range machine that ticks all the right boxes.

The program offers a focus area in graphic design for students interested in technical design and production. This credit fully online program teaches students the fundamentals of design and sharpens their skills in multimedia technology. They learn technical skills in drawing and composition and how to effectively use artistic tools and software. As part of their coursework, students create a professional portfolio to showcase their work to potential employers. CCV is an open admissions college and offers classes during the fall, spring, and summer semesters. Transfer applicants must submit an online application, official transcripts, and complete a skills assessment to be considered. Along with major-specific courses, graphic design associate degrees usually include general education courses in areas such as English, math, and liberal arts. While the curriculum will vary by program, many degrees include the following graphic design courses: Required in almost every graphic design associate degree, this course teaches the fundamentals of typography, or the arrangement of type. This includes the study of technology, theory, and practice. Once students learn the basics of typography, they will often use it to solve a specific design problem. This course is required in many programs since graphic design graduates often work as web designers. This class is essential for graphic designers since they need to be highly proficient in software platforms like Adobe Creative Suite, which includes Photoshop, Illustrator, Premiere Pro, and InDesign. The class may also teach more specialized skills in programs like Flash, which is used for animation. History of Graphic Design: Sometimes taught as an art history course, the history of graphic design introduces students to the art of design, technical innovations, and important designers who have contributed to the field. Most jobs related to graphic design, including web and multimedia design, require the submission of a portfolio. Graphic design associate degrees give you the technical know-how to be successful in a competitive job market. Some of the most popular jobs in the field right now are related to web design and the production of multimedia content. Those employed at commercial firms will generally work in design teams in traditional offices outfitted with studio equipment. Designers working in these settings are usually salaried employees, but many designers are self-employed. According to BLS, in about half of all multimedia artists were self-employed, and one in seven web designers were self-employed. Self-employed individuals should be prepared to work from home, and should also be prepared to work nights and weekends if a client has a tight deadline. Graphic Designer Graphic designers are responsible for visually communicating ideas across a variety of multimedia platforms, and may design advertisements, magazines, and promotional materials. According to BLS, one in five graphic designers was self-employed in . Because of this, web designers should be proficient in both computer programming and graphic design. Multimedia Artist Working in fields such as motion media design , television, and video games, these artists create animations and visual effects. Multimedia artists need both technical and graphic design skills, and should have a strong portfolio of work. Bachelor of Fine Arts in Graphic Design: The main difference between a bachelor of fine arts degree and a bachelor of arts is the ratio of courses. BFA degrees involve more major and art-related courses, while BA degrees include more liberal arts classes. Because credit requirements vary, not all associate degree courses transfer into a BFA as easily as a BA. Bachelor of Arts in Animation: This degree is all about the art of motion, its history, and its practical applications. Students with an associate degree in graphic design generally have the art background and technical experience necessary to transfer into an animation program. Graphic designers transferring into web development programs will enhance their knowledge of web standards, advanced programming concepts, and applications. Bachelor of Arts in Visual Communications: Visual communications is a general term used to describe how design impacts the presentation of information and ideas. Due to the overlap between graphic design and visual communication, students may find it easy to transfer credits from an online associate degree in graphic design. Employment and Mean Salary by Occupation.

Chapter 3 : The Best Online Graphic Design Programs for | calendrierdelascience.com

Here are the top 10 best laptops for Graphic Design in 1 - Apple MacBook Pro Not everyone is comfortable using Windows, maybe because they have been fans of Apple and iOS since the beginning.

I have categorized the big list of graphic programs in various sections like vector art, image editor[pixel art], 3D and animations, infographics and other graphic design programs. Vector Drawing Art 1. And the name of scalable vector graphics design software is SVG-Edit. It is an open source software which means you may download it and tweak the codes to program it to work as per your needs. You may quickly edit and process two-dimensional 2D vector graphics using this tool. It is a 2D vector graphics editor that lets you draw, design, edit and creates a perfect professional looking design. DrawPlus has some outstanding features that let you make object 3D via extrusion, apply a broad range of 3D styles with a vast collection of brushes. You may easily create bespoke designs, logos, technical drawings, animations and so much more with DrawPlus. There are various pre-defined templates and beginners tutorials also available to help you get started quickly. InkScape is an open source vector graphics editor with many powerful features. It also has good SVG integration with advanced features for print as well as web design. It is a professional graphic editor with straightforward and easy to use user-interface. There are also various tutorials and previously created work galleries as well as tons of information to help you get started. It is a flexible and powerful tool for illustrations, diagrams, and other purposes. The latest version comes with all basic functionality which you may use without any limitation. It has a flexible brush handling method which encourages creative drawing. It supports many kinds of brushes pen, pencil, dry media, airbrush, bristle brush, image hose, etc. It is a fast and easy to use open-source graphic design applications for digital painters and is available for Windows and Linux Users also. Image Editing Tools [Pixel Art] 9. It is simple to use image editing tool with some basic as well as advanced features. It is an open source free graphic design software that is popularly known as a Photoshop alternative. With Pixlr, you may choose over 2 millions combinations of free effects, overlays, and borders to further personalize your image. It is so easy to use that you may perform fantastic photo editing even if you have never edited the photo before. It is a free online image editor that you may either use online for photo editing or download to access all its app in offline. However, it is worth noting that you need to pay a subscription cost to access offline. Using Sumo Paint, you may edit photos right through your web browser without the need of installing anything. Though having Adobe Flash is required to use it. It is a free bitmap image editor that lets you create, compose, edit and convert bitmap images to other versions. Useful features like shearing, rotating and transforming images into flip or mirror, etc. With Daz Studio, you may create your custom 3D characters, avatar, graphic design elements or create your virtual world with virtual moving animals, places, buildings, people and much more. This free 3D Animation software is beneficial in developing your 3D skill. It is a powerful 3D sculpting software with some robust features that lets you enter in a world of digital world without barriers. Whether you are new to 3D sculpting and 3D painting, or you want to take your sculpting skills to the next level, Sculptris is the best place to start with. It is an open source software which is available for free download on various platforms including Windows, Mac OS X, Linux, etc. Blender has a bunch of 3D artwork tutorials and previous creations available on the website to learn 3D graphics design. There is also a very helpful community who are willing to answer your queries and help you succeed in 3D design. It is a powerful 3D modeling software that allows you to build 3D models quickly. The 3D graphic design program is quite simple to use. You can create almost anything with your imagination. No matter whether you want to learn 3D drawing for educational purposes, use it for personal projects or professional 3D work – various versions of Google SketchUp is available for your needs. It provides you with an easy control over 3D scenes with its drag-and-drop approach for 3D modeling. It is a powerful graphic design software developed by Amabilis Software. The basic version is free while Pro and Plus costs money. Though advanced version provides you with an edge, still basic 3D Crafter has many advanced features. It is written in Java, so it is a powerful 3D design software to be used in many Java virtual machines. So even if you are new to 3D modeling and looking to get started, Art of Illusion is perfect graphic design program for

you. It is a 3D modeling and character animation program for Windows. Anim8or has many powerful features like 3D modeler to create and modify 3D models, TrueType font support for 2D as well as 3D text, built in the 3D object browser, Joint character editor and much more. Infographic Designing [Data Visualization] It is a simple to use free data visualization tool that helps you in creating interactive pie charts, line charts, column charts, area charts, tree maps, bar, etc. With Google Chart, you can easily create your data representation visuals and get the code to embed them into your web pages, spreadsheets, etc. It is a free graphic design software that lets you create and share interactive visuals. You may also select charts and graphs from over 30 interactive chart types including bar, line, area, map and much more for free. It enables you to create your infographic resume for free. With over , infographics already created, Vizualize. There are many powerful tools present here that help you in creating a killer infographic resume. Other Graphic Design Software Programs Just upload your file and click on generate favicon to get your favicon for free. It allows you to grab color palettes of up to 16 colors at once. You may also use four advanced color mixers to pick a spectrum of possibilities. Fast Stone Image Viewer is another full featured powerful photo viewer, editor and batch converter. Create, edit, and apply 1-bit patterns, wallpaper tiles, icons, and cursors – all from a single pixel tool. Prezi – Free Presentation Software Prezi is a powerful free presentation software that helps you create, edit and explores presentations remotely from anywhere at your ease. It is available for desktop PCs as well as smartphones and tablets users which mean you may access it from anywhere. There is also inbuilt cloud integration that adds advanced features to it. New Graphic Design Software for Free It is a free web-based app that let you ideally design almost anything. All you have to do is find out some free graphic design programs and get started to put your imagination on canvas and join the artistic sphere. As I have already provided you with best design software tools – so just get started! I wish you all the best!

Chapter 4 : Best Graphics Cards - CPU Components

Discover the best graphics tablets for drawing, art and design and how to choose a tablet that is right for you as an artist, graphic designer or illustrator.

Simply put, it is the area where you stylus reacts and draws on the tablet. Many graphics tablets will come with a plastic edge or bezel which will come between the screen and the casing. There are some additional features that can be useful such as HotKeys or even a multi-touch capability. If anything, these additional features are designed to help make operating the tablet easier and overall, a more enjoyable experience. These keys are designed to help you save time and streamline your work process so you can focus more on getting things done instead of searching for the apps you use the most. Many tablets will allow you to customize as well as program the keys for your favorite shortcuts, while others will pull the shortcuts you use the most into the hotkeys automatically. For professionals, the best stylus comes in two forms: Although there are differences between them, they are designed specifically to mimic the feel of drawing with a regular pen or pencil. They tend to be thinner than battery-operated styluses and have a thicker point. On the other hand, a battery-operated stylus is designed with a finer point and made to be used for pen-to-tablet drawing. Flat and on-screen models. Now, obviously there can be a price difference between the two of them, but which one is better for you generally comes down to personal preference. For some though, using a flat model can take some getting used to. Drawing on a tablet while looking at your monitor or laptop screen can be discombobulating at first, while those who prefer drawing on an on-screen tablet are comfortable drawing right on the screen as they do not have any other option. The one that is ultimately chosen has many things considered, but one of the most important is the table sensitivity. Everyone has a different drawing or illustration style. Depending on yours, you may want to choose a tablet with an ultra-sensitive and responsive surface. Another major factor is the pressure sensitivity, although this is a hardware issue for the tablet. Pressure levels on tables start at about levels of pressure and go up to around 1024. In this case, the higher the number, the more responsive the tablet will be for you. For illustrations and design work, the optimal pressure level to look for on a tablet is in the range of 1024 to 2048. Resolution If you work in a field where you need to make very high-resolution images that also have very sharp graphics, picking a tablet with a high LPI would be best suited for you. Think of LPI the same way that people think of 4K resolution found on televisions and computer monitors. Thankfully, many tablets have a scroller built into the tablet already. This will help you move around the project quickly without unforeseen errors occurring. Wireless or Wired Like the tablet you choose, whether you decide to use a tablet that is wireless or wired is a personal choice. Wireless tablets have become a default choice for a lot of graphic designers. The freedom that it gives you to move around without accidentally pulling on the cord and possibly damaging the tablet is beneficial. Top 10 Best Drawing Tablets for Graphic Designers in Although everyone will have different requirements, these are the top drawing tablets for designers in and most likely,

Chapter 5 : The best laptops for graphic design in | Creative Bloq

Here, we've selected six of the best computers for graphic design. Whether you're a Mac user or a Windows wizard, you'll find something in this list that suits your needs. Generally speaking, the more you pay the better the machine.

They actually were one of the first companies that I noticed creating these works of art. And they have been creating amazing illustrations for their content ever since! Authentic and Genuine Stock Photos As you have probably noticed many brands are creating some very creative designs to seem more genuine. Or to make them feel more authentic, instead of a faceless corporation. This push into the more real and genuine will be seen in the type of stock photos they use this year as well. I feel that a lot of stock photos have become too professional, polished and vague. In their quest to reach as many people as possible, these photographers choose a safe subject. Overly edited photos are also out this year, readers really want more genuine and authentic looking photos of people. The viewer should be able to see themselves reflected in the photo. Kinda like the examples of people below: Source These examples honestly look like they were taken by a bunch of friends hanging out, not by a professional. The same thing can be said about these photos as well! In each of these free stock photos, the colors look real and not like it was overly edited: Almost like something you would see in your Instagram feed from your cousin that travels too much. And I was able to find those examples relatively easy, so it baffles me when brands all use the same generic photo. Those ultra-generic pictures that might relate to the content should be avoided this year. Instead, shoot for photos that help you tell a visual story and add to the narrative. Instead of just filling an open space on your blog or social media feed! For instance, compared to the example above, these photos would work much better in a tech-focused blog article: Like I said previously, these photos depict a real scene that you could put yourself into. Not meticulously planned like some of the examples below: Ugh, that fist bump photo makes me cringe a little bit. Now in my experience, the laziest content creators love the generic and overtly planned stock photos. Ones that took them a few seconds to find, and have already been used by millions of people. I think many of you will agree with that statement. And best of all, you can find these great examples and millions of more stock photos for FREE on Venngage now: Multiple brand color schemes Traditionally, companies have a few colors that they use across all of their branding and design work. This helps people recognize them out in the world, on social media and other places online. In fact, companies rebranding with a plethora of colors schemes is one of the first graphic design trends that I see really taking off. Now they have such a strong visual brand that I know something came from Spotify almost instantly. Usually, a rebranding effort updates the font or graphic of a company logo, but this one was completely different. Instead of changing their logo design, which everyone already knew, they added a ton of new official brand colors to use with it. They built this new branding to show that great things can happen when diverse minds work together. And I hate to say it because some people were not big fans, but I kinda love the rebrand. They already had a logo that everyone knew, but now they have a ton of new ways to use it. When you are a massive company like Dropbox that needs to appeal to almost every industry, this kind of flexibility is ideal. I also think that this change really reflects their growth as a company from a free place to store your school paper, to something that connects the creatives of the world. Just take a look at how they evolved their social media presence from last year: To this year with the rebrand: Who would have thought that breaking design conventions would have allowed for so much creative freedom? However, I do think that this kind of rebrand can only work with a company that is as big and recognizable as Dropbox. In their rebrand, eBay also decided to add a ton of new colors, while keeping their recognizable logo: If we want to compare the two rebrands, I think that eBay would win. Plus, they are using the rebrand across all parts of their platform. The designers at eBay have used the color upgrade to unify millions of products across their site. Take a look at the examples below: They may not all share the same colors, but they have the same feel. Additionally, they have found a way to inject color into a place that is usually boring and bland: This subtle boost of color makes almost everything they share on social media stand out from the rest. Are you seriously going to be able to scroll past this pastel mixer? As kids, we thought this was the best way to make your report on dinosaurs look professional. And I think that we were on to

something back then. Because in color gradients will be literally everywhere, from websites to Twitter headers, and even presentations. Instagram, always ahead of the curve, has used it in their branding and logos for the past few years, actually: Now the rest of the world is starting to catch up. As you can see below, they have adopted a gradient as the main background of their site: This is a common way for sites to keep a simple background, and add a few flourishes. This wholehearted adoption of color gradients gives the company a lot of creative freedom, without straying too far from their brand. Because in this case, multiple color gradients is their branding. The graphs and charts are by far my favorite use of color gradients. It adds that little something extra and helps them stand out from the noise. Polaroid, with a more subtle gradient: But my favorite way to use a gradient is by overlaying it on an image or creating a duotone. It adds so much extra power to the image. All this with a simple gradient, a design trick the internet loves to hate. Plus, they can help improve any image or stock photo. This year, I really want you to focus on extending that trend to your social shares as well. Readers and consumers use social media to distract themselves from what is happening in their life. For example, if you were scrolling through your Twitter feed, would you click on the tweet that used this image? Now, technically either would work for the same tweet, but the one from Cubeit is the clear winner. How do I know this? Because that image made me stop in my furious scrolling tracks and want to read the article. I must sound like a broken record by now because of how often I talk about not using bad stock images in your design work. But I also believe that this is one of the easiest ways for your brand to stand out on social media. Your content could be great but it will never get the chance because you picked a bad featured image. They attach a face to almost all of their tweets. Instead of a generic stock photo, you see a friendly and luminizing face, from the person who wrote the article, shining back at you. This is not only a great branding play, it also humanizes the company as a whole. Unconventional colors everywhere As we have seen so far, is the year of taking risks in your design. One of the best places to start taking risks is in the colors that you use. Instead, be ready to inject some more risky colors in your design projects this year. Bold colors are the most common driving force that we have seen behind each of the design trends this year. Instead, I recommend going a little off the rails with the colors you pickâ€”within reason. This way, you can do something new and exciting but still stay close to your core values in other places. They are in an extremely competitive space, fighting with thousands of sports writers for your eyeballs. But they consistently use bold, bright colors in their designs to differentiate their content from those others. Because they do it so well, you can quickly spot a Bleacher Report article or Tweet out in the world. With each issue, they are fighting with thousands of competitors to get the attention readers. With the simple addition an interesting colorâ€”or fiveâ€”they made each graphic much more captivating. You can definitely see this in their color usage lately as well: I have talked a few times before about being to spot something from Spotify just from their non traditional color usage. Another way to add some eye-catching features to your designs is to use some bold or handwritten fonts. This is another trend that seems to come from the design world, moving away from boring minimalism as a whole. Bold and handwritten fonts are going to stand out against the simple or overused fonts that your competitors are using. They are definitely fans of bold fonts, however what they are not fans of is winning apparently. Now, instead of looking at more examples who only use bold or handwritten fonts, I thought it would be interesting to find ones that effortlessly use both. They may actually be my new favorite company in Across their site, they use bold fonts in their graphics or text, which looks great: And when you jump over on social media, bold handwritten fonts take over:

Chapter 6 : 50 of the best graphic design blogs for inspiration | Creative Boom

The Design Files, named as one of the world's top design blogs by The Times, covers Australian design in all its forms - from architecture and interiors to gardens, food, fine art and craft. And graphic design too, naturally.

Classes, credit requirements, accreditation, cost, and instruction method can all vary depending on the program. Many industries employ web designers or use them as consultants. The concentration emphasizes drawing and design work. Students learn about web design, multimedia art, industry softwares, and information design. Art director, multimedia reporter, illustrator, copy editor, marketing and advertising, graphic designer Design and Publishing Students who focus on publishing can learn about the business side of design. Students take courses on the publishing business, web publishing options, media, and entrepreneurship. Despite these variances, many programs share these core classes: Digital and Web Graphic Design: From Photoshop basics to high-end web coding, classes on graphic design for the digital age are a must. Students can choose one or many digital design courses based on whether they want to pursue online publishing or a more analog career. Graphic and Interface Design: Often taught in introductory and then advanced forms, courses on graphic design and interface design are degree staples. Students learn theory and technique and follow modern innovations. Drawing courses are at the core of any graphic design program. Online degrees at art schools often feature multiple drawing classes while traditional colleges may only feature one or two. Color theory is a foundational class. Students learn how colors affect human behavior and other theories. Earning a graphic design degree online typically takes about four years. Depending on whether the graphic design online degree is a BFA, BA, or BS, there may be various course and general education requirements that will impact completion time. Programs usually require between and credits to graduate. Completion time for graphic design schools online can also be impacted depending on if a student is enrolled full-time or part-time, if the program is offered in an accelerated format, and whether the school gives some form of transfer or experiential credit. Most graphic design programs use an individual pacing model, where students decide their own speed, versus a cohort learning model where students follow a set group pace. Online programs or schools are accredited when they meet a certain set of criteria set by the government, industry groups, and peer institutions that prove the value of the education and worth of the degree. There may be some small art institutes and schools that do not meet these criteria and therefore carry less weight with employers and peers. Schools are either accredited nationally or regionally. Online and distance learning institutions are often accredited nationally by approved organizations. The Council for Higher Education Accreditation CHEA is a nongovernmental agency run by leaders of peer higher education institutions that analyzes and accredits colleges and universities. Traditional brick and mortar schools and many of their online programs are accredited by regional agencies that are recognized by the Department of Education and the CHEA. The Department of Education does not accredit schools but acts in an oversight role and recognizes legitimate agencies. This allows for agencies to act privately but with public approval and oversight. Some programs are accredited separately than the rest of the school. For example, law programs are accredited by the American Bar Association. Graphic design does not have a comparable accrediting group. Two years later, both of these figures had fallen, to 6. Both of these unemployment rates are significantly higher than the national unemployment rate for all occupations 5.

Chapter 7 : 10 Best Tablets for Graphic Design, Drawing & Art | JUST a Creative

Open source vector graphics editor Inkscape is widely known as the free counterpart to Adobe Illustrator - and for good reason. This free vector editor is a great choice for budding graphic.

Review Joel Hruska The Best Graphics Cards of Our guide shows you what to look for when buying or upgrading your video card, including side-by-side spec comparisons and the latest reviews of the top-rated GPUs. While all of these components are important, having the right graphics card often dubbed "GPU" matters as well, and this guide will help you pick the best options for your desktop PC. A modern GPU, whether discrete or integrated, handles the display of 2D and 3D content, drawing the desktop, and decoding and encoding video content. Starting With the Basics All of the discrete GPUs on the market are built around graphics processors designed by one of two companies: Their GPU designs are sold by a wide range of resellers, some of whom also release their own custom products with different cooler designs, slight overclocking from the factory, or features such as LED lighting. GPUs from these two companies are typically grouped into families of graphics processors, all of which share some common naming conventions. For the past eight years, Nvidia has followed a common format of "prefix" model number "suffix". Nvidia has also been known to use an "X" or "Xp" to denote certain extremely high-end parts. Be advised, however, that these are rules of thumb rather than absolutes. There a few key metrics to keep in mind when comparing video cards: Onboard VRAM, Memory Bandwidth, and Memory Clock These features follow much the same trend as clock speed and core count the more the better , but with one important difference: Manufacturers often add far more memory to a GPU than it can plausibly use and market it as a more powerful solution. As you scale down the overall capability of a GPU, you scale down the detail levels and resolutions it can run while maintaining a playable frame rate. Memory bandwidth refers to how quickly data can move into and out of the GPU. More is generally better, but again, AMD and Nvidia have different architectures and sometimes different memory bandwidth requirements, so numbers are not directly comparable. You can do it by changing the bus size i. As for clock speed, the faster RAM is clocked, all else being equal, the higher the available memory bandwidth will be. How Much Should You Spend? As price increases, this rule applies less; spending more money yields diminishing returns. An integrated GPU is built on the same silicon as the CPU, a configuration that is useful for thin, lightweight laptops and very small desktops. Integrated graphics solutions have become more powerful in recent years, but they are still generally limited to supporting older games and lower resolutions. One of the advantages of a desktop for gaming is that graphics cards are essentially modular; if your motherboard has an x16 PCI Express slot, it can run some kind of modern GPU. Intel uses additional labels, like Iris Pro or Iris Plus, to denote models with separate graphics caches. Either way, integrated graphics are fully capable of meeting the needs of most general users today, with three broad exceptions These folks, who work with CAD software or in video and photo editing, will still benefit greatly from a discrete GPU. There are also applications that can transcode video from one format to another using the GPU instead of the CPU, though whether this is faster will depend on the application in question, which GPU and CPU you own, and the encoding specifications you target. People who need a large number of displays can also benefit from a discrete GPU. Desktop operating systems are capable of driving displays connected to the integrated and discrete GPUs simultaneously. In theory, a laptop user who wants to hook up a large number of monitors can benefit from having a discrete GPU, but this depends on the manufacturer offering multiple display outputs that are connected to both the integrated GPU and the discrete graphics chip within the system. The other major considerations when evaluating a laptop GPU are heat and noise. The smaller the laptop, the louder the fan noise will be to cool the GPU. A cooling pad will limit that noise somewhat, as will reducing frame rates and using lower-quality graphics settings for your games. The first thing to do before buying or upgrading a GPU is to measure the inside of your chassis for the available card space. In others, you might have barely an inch. If your GPU has its additional six-pin and eight-pin power plugs on the rear of the card, leave room for hooking them up, as well. Manufacturers sometimes field their own card coolers that depart from the standard reference designs provided by both AMD and Nvidia. Midrange and high-end

graphics cards will require a six-pin cable, an eight-pin cable, or some combination of the two to provide working power to the card. Lower-end cards draw all the power they need from the PCI Express slot. Nvidia and AMD both outline recommended power supplies for each of their graphics cards. These guidelines should be taken seriously, but they are just guidelines. Their guidance, therefore, is generally conservative.

Ports and Preferences There are three ports you are likely to find on the rear edge of a current graphics card: When it comes to HDMI vs. DisplayPort, there are some differences to be aware of. The latest-gen cards from both makers should be fine on this score. Instead of needing three ports to connect three monitors, you have the option of connecting Monitor 1 to your PC, Monitor 2 to Monitor 1, and Monitor 3 to Monitor 2. There are stipulations in terms of DisplayPort version support and resolutions; see the details at DisplayPort.

Looking Into the Near Future The overall pace of hardware improvements has slowed dramatically across the industry, but GPUs still evolve a fair bit year-on-year. The other major question to ask is when and if you intend to adopt any of the cutting-edge display technologies that are steadily making their way into homes from showroom floors. Of all the near-term technologies coming to displays and graphics cards, 4K and virtual reality VR have the greatest chance of catching on with mainstream consumers. With 4K, the tradeoff is between graphical detail in any given title and the frame rate that title can maintain at 3,by-2, resolution. On the other hand, VR demands higher frame rates than conventional gaming. Low frame rates in VR anything below 90 frames per second is considered low can result in a bad gaming experience.

The Top Graphics Cards for Now The GPUs below span the spectrum of budget to high-end, representing a wide range of the best cards that are available now. Or, to get started with a new system, check out our reviews of the best gaming desktops and best gaming laptops , many of which offer the option of internal upgrades. Note that the popularity of cryptocurrency mining sent the prices of many midrange and high-end graphics cards skyrocketing in and early , warping the market. Even so, card pricing in the last year or so has been enormously volatile, and street prices for some of the GPUs in this roundup could still be much higher than listed here.

Chapter 8 : The 8 Biggest Graphic Design Trends That Will Dominate [Infographic] - Venngage

The Best Graphics Cards of Our guide shows you what to look for when buying or upgrading your video card, including side-by-side spec comparisons and the latest reviews of the top-rated GPUs.

With its slim design, perfect retina display interface and powerful engine, you can do so much graphic work with this machine. It features a whopping 16GB of memory, a cool Intel Core i7 processor capped at 2. Furthermore, its batteries can last up to 7 hours on a single charge. Check Full Specs and Features on Amazon. With a high-end integrated graphics card, you get more than just real world graphics. It runs the OS X Yosemite. Get All Product Details on Amazon. The Microsoft Windows 8. Since it is designed for gaming, anything else will pretty much run faultlessly. The battery lifespan is around 3. With all these top of the art features at your disposal, rendering images together with other graphics tweaks will be effortless. You will have to part with under fifteen hundred dollars in most retailing stores to get the ROG. Lenovo Y50 Lenovo is known for its relatively inexpensive and powerful laptops that carry out day to day activities, graphic and video editing and gaming, the Y50 is no exception. Straight out the box, it runs Windows 8. The integrated p HD webcam is can be used for high-quality chatting. A laptop with outstanding display abilities will by default create the best images. This machine is known for its top quality display features. Screens with a small resolution scale will not hold all the panels without distorting the screen. Check the Full Specification and details on Amazon. Furthermore, it supports touch and it is ultra-portable making it convenient while on the move and faster working with fingertips. A laptop that can be flipped at degrees and at the same time assume a stand position would be a perfect match for a designer. Since this is a 2-in-1 laptop, it can be used as a laptop or a tablet, still a great quality in presentation. It provides an IPS glossy multi-touch touchscreen. When it comes to tasks that demand audio reproduction, this will be the perfect perk that the designer will enjoy. Its internationally acclaimed status makes it good for animation and video editing. Check the Reviews on Amazon. The high-octane machine brims with top-end components making it the perfect choice for designing and gaming. With the toughest graphics that it offers, heat generation is inevitable and that is why it has a cutting edge cooling system that brings the energy levels down. Get the Price Details on Amazon. It has 4 inbuilt stereo speakers with optimized Dolby audio boost for the unique audio experience. It comes with the 4th generation Intel Core i7 processor with 2. Loaded with Windows 8. Well, now you may get confused while choosing the best one among these. But, to be honest. As you will be deciding your Budget before buying one. These all are very good for the Graphic Designers.

Chapter 9 : Best graphic design software of | TechRadar

is the year we finally take risks, in life and in graphic design. Because that's the only way your design is going to stand out this year. There are millions of things fighting for your audience's very limited time right now. Bitcoin. Politics. Cats. Food. That means that the things you.

CorelDraw Are you an aspiring web designer and looking for a graphics editor that gives you the ability to create infinite designs without any restrictions while honing your skills at the same time? If so, you might want to check out CorelDraw, a vector graphics editor, that is hands down one of the most popular Industry Standard editors presently. CorelDraw has some cool productive functions and such an ease of use that no other vector editor can match up to. The tools give you full control so you can get fast and dynamic results. With tools like Twirl, Smear, Repel and Attract – vector object editing was never so easy. The Alignment guide enables you to position objects as per your requirement. CorelDraw works smoothly with large files in Corel Photo-Paint, making it a must-have in the graphic design software list. Pros The interface customization is ideal. The design is very fresh. The training videos are very helpful. Choose from perpetual license or subscription. The right-click gives awesome vectorization. Shaping docker gives maximum usage. Cons Tools are hard to learn for newbies. Navigation is not easy. Navigation board is not visible. The freehand brush is hard to use. Adobe InDesign Backed by the Adobe brand, InDesign is the business leader for creating clean layouts for desktop and mobile devices alike. Adobe InDesign is ideal for layout design usage like online magazines. Whether you want to create layouts for printed books, brochures or digital magazines Adobe InDesign is the tool you need. The flexibility is great as it allows you to easily drag-drop isolated layers and you can resize images with ease. You also get the comparison app Comp CC available for tablets and Smartphone devices including 29 desktop apps and 10 mobile apps. You can also use Behance and Typekit services that enable you to connect your workflow between photography, videos, designing and web or app development. With Adobe Creative Sync you can share or sync all your work between your desktop and mobile apps so you can work efficiently. Once you join as a member you will get the latest updates and new features with installation decision being solely yours. Pros The combining of text and graphics becomes easy. The learning curve is very low, ideal for newbies. The features that come with InDesign are unbelievable. Cons Limited tools for creating graphics. The graphics tools are not as powerful. The adjustment of photos is limited as this is not a photo-editing software. **Serif Drawplus** This graphic design software offers a powerful tool for not just photo designing an editing but, one can also use it for producing creative logos, animations, posters and more. Just because of its oodles of illustrative features, it has been ranked as the top graphic design software by Toptenreviews. By providing a rating of 9. It has a low learning curve making it approachable by both graphic designers as well as beginners. With this full-featured software, one can even work on intricacies very easily. One can not just work on 3D animations, add effects to the images but also, create vector illustrations. Pros Can create a customizable workspace based on your preference. Provides extensive support an option to share. Cons Lacks some photo effect features like panorama merging, HDR imaging etc. **Xara Xtreme** This software offers a wide variety of photo editing features and illustration tools. It has extensive features that can assist you in maneuvering color and texture of your images. You even have the possibility of removing any distortion caused by the lens, whatsoever. The main page offers the basic tips and guidelines so as to understand the functioning of the design software. It has certain masking tools available as well. The resizing of images can also be done without having to put the quality at stake. Pros Tools are available for both vector and raster images. Can export directly to any social media website. Cons No history log available; use of undo button to reverse actions. It is a seemingly impressive photo editing tool that even helps in photo management. It even possesses professional grade tools that can be easily used by both professionals and newbies. It provides video tutorials and other forms of support forums to better the understanding of the software. It has more than 90 creative filters that can be used to improve the texture and color of your image. Pros A supporter of batch processing, i.