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Does something look a little unreal with this image? NurPhoto/Getty Images yes, it looks better than real life. That's because it's a composite image, technically. It is not possible to get a kind of luminosity in this image through the camera lens alone. That's where HDR comes in, which means high dynamic range. High dynamic images are at least two, but sometimes up to five or six images. Or, you can use software to simulate this process with just one image if that's all you have. If you have a new TV, there is a good chance that you have a special feature for watching HDR. Some people may prefer this brighter, more contrasting visualization method, but others may criticize it for being too bright and unreal to look. However, HDR is not the same as high saturation. The brightness comes from adjusted exposures. What does exposure mean? This content is imported from YouTube. You can find the same content in a different format, or you may be able to find more information on your website. To understand the concept of HDR, it is important to have an idea of the impact in photography. The exposure refers to the overall brightness or darkness of the image. In particular, we are talking about how much light the camera sensor reaches when taking a picture. When more light gets into the sensor, the image is also lighter; With less light, go through, the image is darker. Sometimes it's hard to expose an image the way you want it, because the foreground and background images are illuminated so differently that you can't capture both effectively. Imagine taking a photo of a ballerina on a brightly lit stage and trying to get the back of the audience's head in the foreground. When using a smartphone for a photo, you can click on the part of the image that you want to focus on. Maybe it's a ballerina- you'll notice your heads are darkened almost completely. These parts of the image require different exposures to give them credit in the photo. HDR images can solve this problem (like other Photoshop tricks), but high dynamic range techniques can also increase the brightness of the photo, creating more than life-like contrast and brightness. What is Dolby Vision? Aside from popcorn and a sense of childish nostalgia, there's a reason we'd like to visit a movie theater: sound and painting are both way of higher quality than what you get at home. HDR visualization techniques create some of the most noticeable differences, so it's such a big deal to movie lovers that they can now access a slice of this on the small screen through Dolby Vision, part of HDR technology that allows users to access bright colors and a higher contrast on their own TVs. This content is imported from YouTube. You can find the same content in a different format, or you may be able to find more information on its website. What's interesting is that manufacturers don't advertise Dolby Vision as much as 4K on their TVs, which why it's less understandable. 4K has given us a lot more pixels than the standard 1080 used to be, but Dolby Vision is what makes these pixels work much harder. Among other things, Dolby Labs advertises the following features in its Dolby Vision software: Brightness: Dolby Vision-enabled screens can show pixels up to 40 times brighter than standard TVs. Dark Dark: Dolby Vision can create more richness and precision in every scene. Advanced contrast: With a wide range of dark and lights, Dolby Vision can capture more of the depth of the real world. Ultra-bright colors: Dolby Labs claims that some of the colors it can perform through Dolby Vision have never been seen on standard TVs before. Clarified detail: Textures and patterns get more nuances due to extended contrast and color range. Improved dimension: The TV can show more realistic shapes with clear edges and realistic shadows for a more convincing three-dimensional look. Most of this marketing talk, of course, but the HDR effect at the heart of Dolby Vision is quite impressive (check out the demo above if you don't, yet). Does my Dolby Vision TV? This content is imported from YouTube. You can find the same content in a different format, or you may be able to find more information on your website. First, note that Dolby Vision uses HDR techniques, but is not synonymous with HDR. This is because it is just one software, albeit probably the most competitive among the crowds of others. So even if you don't have Dolby Vision on your television, there's a good chance that you'll have another HDR option in your settings. To find out if your Dolby Vision TV supports you, you'll have to navigate the settings. This will vary depending on the device, of course. Here are a few popular brands: LG: Open up the quick settings for the HDR Effect mode to adjust the effect to the desired level of the TCL: Auto-enabled, can disable Dolby Vision through a secret menu. Sony: Open Picture and Display Settings, The Advanced Settings of the Video Options of the HDR Mode Xbox One: Settings of the Display and Sound of the Video Release of the Video Mode of the video zgt: Check to allow Dolby Vision to flag the console. If you're still trying to find AN HDR settings on your TV, there's a good chance you don't have Dolby Vision, but a different standard. Note the list above does not include some of the heavyweights like Samsung. Partly, this is because the industry standard is HDR10, not Dolby Vision. This means that manufacturers can use the HDR10 format for free on their devices, but have to pay a licensing fee to include Dolby Vision Panasonic's G2000 flagship 2019 OLED TV is the first Panasonic set ever to support Dolby Vision, so if your set is older, you want to look for HDR10 or something like that. Normally, you want to look in your picture or customize the display, depending on the model. Philips offers support for both HDR10 and Dolby Vision on its OLED TVs 2019, OLED 804 and OLED 854. Before that, HDR10. Samsung, however, remains withholding. This is partly due to the fact that it is an HDR partner. What are the other HDR standards? The most common replacement for Dolby Vision is HDR10, which can be seen as an open standard for HDR viewing. All TVs, such as HDR-compatible, must maintain this standard. Dolby Vision is more technically demanding than HDR10. This is because it lays out specific instructions for HDR formatting different types of production as movies versus broadcast news. HDR10, meanwhile, lays out the basics of the format so that the HDR TV can properly read and play HDR content. In theory, TVs like Dolby Vision should have a clearer and brighter display, but software doesn't always do that on HDR TVs. Dolby Vision creates instructions or metadata that vary from scene to scene, which means that television can give a contrasting boost or better color in each scene. Dolby allows up to 68 billion possible colors, compared to previous TV capabilities reaching 16.7 million possible colors. By contrast, HDR10 uses a fixed set of metadata, which means that TVs have less flexibility in how to handle different scenes in a movie. Ultimately, many of Dolby's advantages over HDR10 come down to being able to TV to display what the software is capable of; that is, only in the future we will begin to see why Dolby Vision has technically advanced to HDR10. Other HDR standards you may encounter include: HDR10: This format was created by Samsung as a competitor to Dolby Vision, which probably explains why Samsung won't include Dolby Vision in its hardware lineup. The main difference is that the standard HDR sets the brightness and contrast of metadata at the beginning of a film or show and remains static, while HDR10 is constantly adapting, like Dolby Vision HLG. This means the hybrid magazine Gamma and it sets out to fix two major problems with other popular HDR technologies: Dolby Vision and HDR10 are not great for use with broadcast and HDR technologies are not compatible. That is, if you have an old TV, you are out of luck. The main advantage here is that if you have a standard dynamic range television, or SDR, you can reap some of the benefits of HDR-capable programming. That is, if the media you're trying to watch support HDR (like the BluRay drive), HLG can read the metadata and let you play on non-HDR TV. Advanced HDR by Technicolor: It's actually an umbrella term for three major Technicolor technologies. There is a SL-HDR1 that is back compatible with SDR TVs; SL-HDR2, which uses dynamic metadata, can offer improvements similar to HDR10 and Dolby Vision; The SL-HDR3 is still in its early stages, so it's not entirely clear what the features will be until. If your TV doesn't support Dolby Vision, don't worry. The HDR option that you have is probably more than good enough at the moment. At the same time, if you want to experience Extra color and brightness, head to the cinema and remember why you love the viewing experience from the start. 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