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Convert raster to vector in photoshop

If you've ever tried to resize an image in Photoshop only to end up with a fuzzy or pixelated mess, it's probably because you were working with raster images. These types of images are made up of pixels and can lose quality when scaled up or down. But don't worry, there's a way to convert them into vector images, which can be scaled without losing any detail. I'm Cara, a photographer who works mainly with raster images in Photoshop, but sometimes needs to use graphic design elements that are vector-based. One of the easiest ways to vectorize an image is by following these simple steps. This method works best for logos or line art and won't give you good results with complex photos. First, choose an image without a background, like I did with this cat picture from Pixabay.com. If your image has a background, remove it first. Next, create a path in Photoshop by holding down Ctrl while clicking on the image thumbnail in the Layers panel. Then, activate the Marquee tool and right-click on the image to choose Make Work Path from the menu. Leave the Tolerance at 1 pixel and press OK. This will turn your selection into a path. Now, modify this path into a vector mask by choosing the Direct Selection tool and right-clicking again on the image. Select Create Vector Mask from the top of the menu that appears in the Layers panel. The Vector Mask will be visible in the Layers panel. Finally, to keep your image as a vector, you need to export it as such. Go to File and choose Save a Copy, then select Photoshop EPS (*.EPS) from the list. This way, you'll have successfully converted your raster image into a vector one that can be scaled without losing any detail. Want to scale your logo perfectly? Vector images are the way to go! They can be shrunk or enlarged without losing quality, unlike JPEG or PNG versions that become pixelated and messy. To vectorize a logo in Photoshop, it's similar to vectorizing an image: remove background, turn selection into a path, add vector mask, and save as a vector file. Sounds easy, right? But did you know that Adobe Illustrator is actually the go-to app for vector images? However, if you're stuck with just Photoshop, you can still create basic vector shapes and paths using its tools. It might take some effort to get the hang of it, but trust us, it's worth it! Vector images are made up of scalable paths that use mathematical equations, making them perfect for scaling without losing quality. To convert a raster image into a vector one in Photoshop: select pixels, turn them into paths, colorize them, and save as a vector image. You can follow this tutorial with most recent versions of Photoshop, even if you have a basic membership plan or just Photoshop alone! To refine your selection in Photoshop, use the Threshold Adjustment layer or Color Range command. The Threshold Adjustment layer converts a color image to black and white, allowing for later adjustments. To add a Threshold layer, go to Layers > Create new fill or adjustment Layer. Adjust the slider to achieve the desired look. The Color Range command is similar to the Magic Wand selection but offers more flexibility in selecting pixels with similar colors. Use the Eyedropper tool repeatedly on different areas of an image to pick up a range of colors. Select all tonal areas using this method, and then go to Select > Color Range. Paths in Photoshop are vector line drawings that can be stretched or shaped without losing detail. To convert a selection into a path, right-click on the image and choose Make Work Path from the context menu. Adjust the Tolerance Value to make the path smoother, taking into account the complexity of your image. To create a solid color fill layer, go to Layers > Create new fill or adjustment Layer and select Solid Color. This layer can be customized with any color of your choice. Finally, export this layer as an SVG file from the Layers panel or File menu. To export a color photo as a monotone vector image in Illustrator, go to File > Export > Paths. This method converts raster images into scalable vector graphics, perfect for editing and resizing without losing quality. Although Photoshop is primarily a raster graphics software, it offers tools like vectorizing raster images that can be incredibly useful for designers and artists. To do this, follow the steps below: First, select the image you want to vectorize in Photoshop. Then, use the Marquee Tool (or press M) to make a selection around the image. Next, right-click on the selection and choose Make Work Path from the menu. Finally, create a Vector Mask by selecting Create Vector Mask while using the Direct Selection tool (or press A). This will allow you to edit and scale your vector image without affecting its quality. Note: While this method works well for simple images like logos or icons, it may not be effective for complex photos with many colors. Also, consider getting an Envato membership for access to thousands of Photoshop actions, presets, design templates, themes, photos, and more. The subscription starts at \$16 per month, offering unlimited access to a vast library of creative assets. To convert an image into vector art in Photoshop, you'll need to follow these steps: Open your image in Photoshop, then apply a filter to diffuse it, followed by tracing it with a layer that you can see in the Layers panel. Next, export the image as a vector file by going to File > Save As and selecting EPS format. This will allow you to scale the image without losing its quality. If you're looking for an easier way to convert images into vectors, consider using Photoshop actions like Tracer Plus or Vector Art, which can automate the process with just one click. Alternatively, you can use a combination of filters and adjustments to create vector art from your images. By mastering these techniques, you'll be able to easily transform raster images into scalable vectors, making your design work much easier. To get started, download an image from Pixabay and open it in Photoshop. From there, apply the Stylize > Diffuse filter with Anisotropic Mode selected, followed by tracing the layer that will display in the Layers panel. Once you've completed these steps, export the image as a vector file using EPS format to ensure scalability without losing quality. By learning how to convert images into vectors using Photoshop actions and techniques, you'll be able to create beautiful and scalable designs with ease. Whether you're looking for a simple trick or a more complex process, this tutorial will guide you through the steps necessary to achieve professional-looking results. Filter > Stylize > Diffuse. Then, select Anisotropic Mode in the Diffuse window and click OK. Step 4 Duplicate the current layer and name it "High Pass". Step 5 Apply High Pass filter with value 3. Step 6 Set the blending mode of the "High Pass" layer to Vivid Light. Step 7 Create a new Adjustment Layer > Threshold and name it "Threshold". Adjust the Threshold level according to your image, for instance, setting it to 138 works well. Step 9 Merge all visible layers. Step 10 Remove unwanted details using a black and white brush tool. Step 11 Apply Gaussian Blur with value 0.5 pixels. Step 12 Select "Shadows" from Color Range dropdown menu and adjust Fuzziness and Range to your preference, for example, setting them to 100% and 150 respectively. Step 13 Use Rectangular Marquee Tool to select the shadows, then click "Make Work Path". Step 14 Set Tolerance to 1 or 1.5 pixels in the Make Work Path window and click OK. Step 15 Create a new layer named "Vector" with Solid Color fill. Step 16 Choose any color using Color Picker.