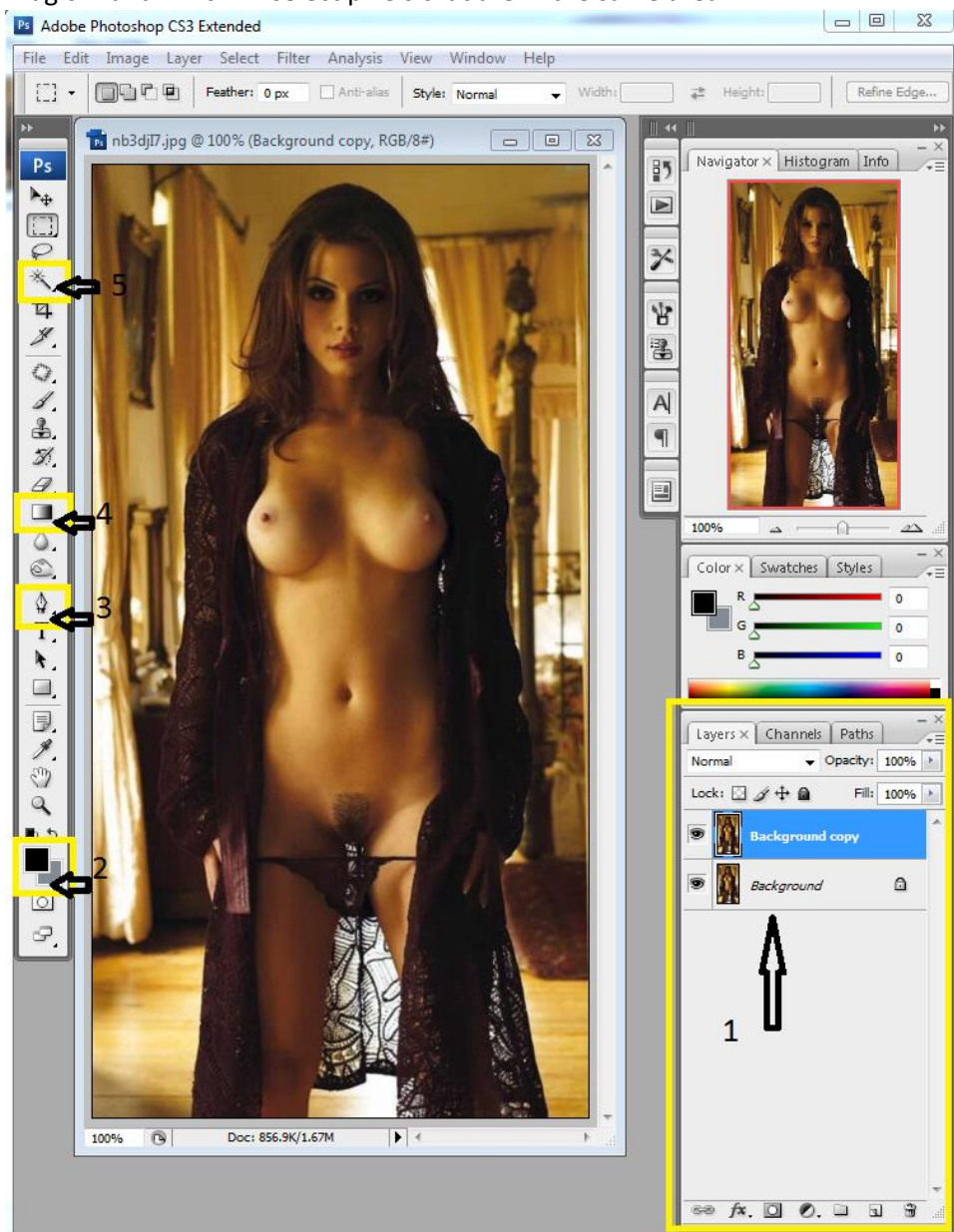


Evil_boo's guide to photoshop

Tools needed for this manip:

1. Layers palate: This is where you can make new layers to put different elements in photoshop.
2. Colour palate: This is where you can predefine 2 colours for use. Which ever is on top is what things like the paintbrush and text will show as.
3. Pen tool: This is what we will use to draw lines on the image which we can convert to selections.
4. Gradient tool: this makes a nice transition between the two colours selected in your colour palate.
5. Magic Wand: This will select pixels that are in the same area.

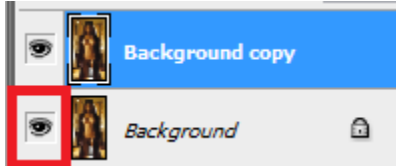


Adding an Access Panel:

1. Start by downloading this image: <https://i.imgur.com/eAdk2zw.png>
2. Once opened in Photoshop, create a copy of the image and make it invisible. (this is just in case you make a mistake and need the original image) do this by pressing ctrl+j or dragging the layer

down to the duplicate icon 

3. Click on the “eye” icon next to the layer labeled “background” this makes the layer invisible.



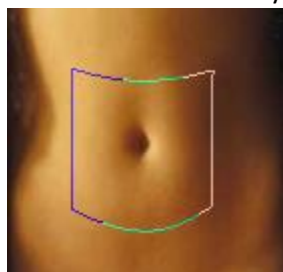
4. Select the pen tool from the toolbox on the left.
 - a. Click once on one side of the models belly
 - b. Click again on the other side, now you have a single straight line across her lower abdomen.



- c. Click again in the middle of the line. Note that the pen icon changes to have a small + symbol next to it.
- d. Hold down ctrl on your keyboard and drag the newly made point down a little. This curves the line we just made.

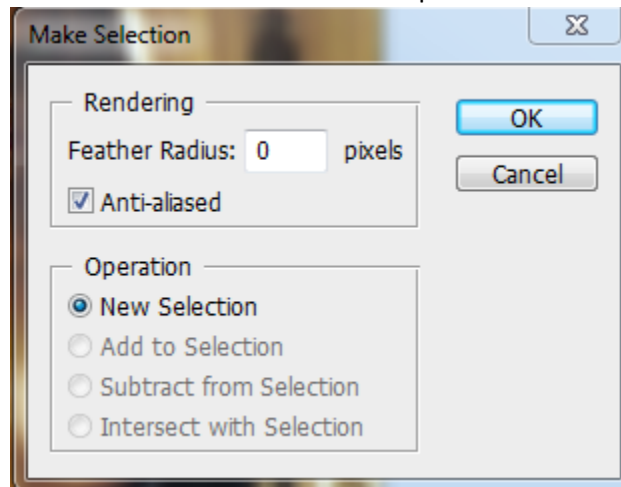


- e. Continue to add lines and curves until you make the panel shape you want. If you need to move a newly made point to make a straight line, simply hold ctrl on your keyboard and move it to where you want.

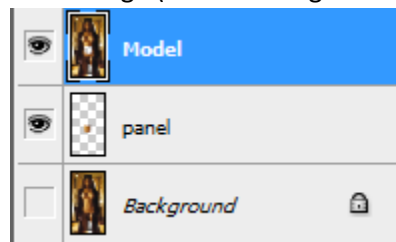


- f. Once the whole path is closed, make sure you have the pen tool selected, then right click on the path and choose “Make Selection” then when prompted make sure the

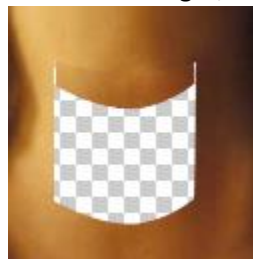
feather radius is set to 0 and the operation is “new selection”



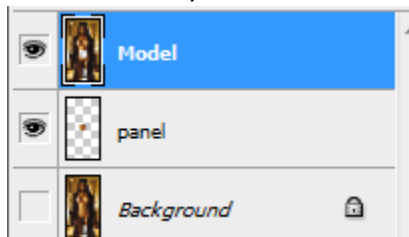
- g. Press ctrl+x then ctrl+v. This will cut the section of skin we have selected from the image, then paste it back in on a new layer. You can use the pointer tool, or the arrow keys to realign this piece.
- h. Next drag the newly created layer (now called “layer 1”) down below your main image.
- i. Double click the name “layer 1” to rename this layer to “panel” do the same for the main image (called “background copy”) to “model”



- j. Notice now that if you click on the panel layer and move it around that it is behind the model.
- k. Move the panel up a little so it looks like it is retracting inside our robot. Don't worry if it doesn't look right, we can adjust it later.



- 5. Click on the model layer.
- 6. Double click anywhere that is not the name on the layer entry.



7. This will bring up the “Layer Style” wizard.
 - a. Click on “Drop Shadow”
 - b. Uncheck the “Use global Light” box
 - c. Adjust the distance, spread, and size sliders until the drop shadow looks the way you want it to on the model.
 - d. Click on the “Bevel and Emboss” style.
 - e. Uncheck the “Use Global Light” box
 - f. Adjust the Depth, Size, and Soften sliders until you get a look you like.
 - g. Click on “OK”
 - h. Repeat these steps on the layer labeled “Panel”

8. Click on the “Magic Wand” tool from the toolbox on the left.



9. Click inside the blank panel space on the model layer to select it.

10. Click on the Select menu then choose Modify-> contract.

- a. In the contract selection wizard, change the “contract by” number to 3
- b. Click OK
- c. Press ctrl+shift+I or go to the select menu and choose “inverse”
- d. Click on the “new layer” button on the layers manager.
- e. Drag the newly created “layer 1” down below the model and panel layer.
- f. Rename this layer to “gradient”

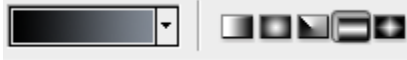
g. Click on the “Colour Palate” and choose a black and a grey colour.



h. Select the “gradient tool” from the toolbox on the left.



i. On the ribbon on the top choose the “reflected gradient”



j. Click on the middle of the panel section and drag out to the edge. It should make a nice silver lip inside the open panel.



11. Download the internal circuitry of your choice. For this manip we’ll be using this:

http://ventadepc.com.mx/3937-thickbox_default/tarjeta-madre-con-procesador-amd-e-240-video-hd6310-gigabyte-ga-e240n-ddr3-hdmi-comprar.jpg

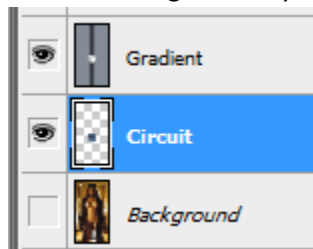
12. Open the circuit board in Photoshop by going to the file menu, then to open.

13. Press Ctrl+A to select the whole image, then Ctrl+C to copy it.

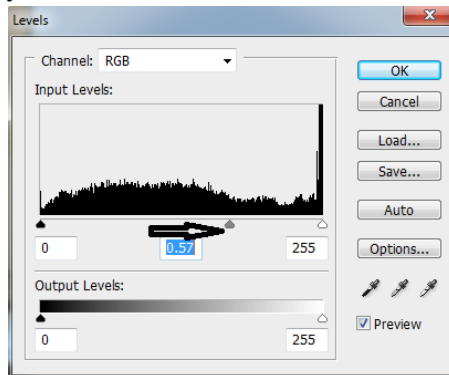
14. Switch back over to our model, then press Ctrl+V. This will paste the circuit board on a new layer above the currently selected layer.

15. Rename the layer to “circuit”

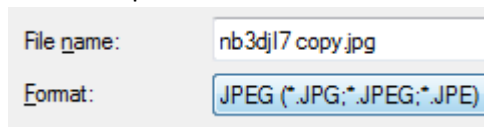
16. While the circuit layer is selected press Ctrl+T or go to the Edit menu then to “Free Transform.” You should now see what are called “handles” around the circuit layer, they look like small boxes in the corners and middle of the edges. You can use these to rotate and scale the image.
 - a. Hold shift down and click and hold in the corner of the selected circuit board. Holding shift will keep the aspect ratio in tact as we shrink the image.
 - b. Holding shift, click and drag the corner of the circuit board inward until it is a size that is just a little larger than the opening.
 - c. Let go of shift, then click in the middle of the circuit board to move it around the manip, you may also use the arrow keys on your keyboard to be more precise.
 - d. Align the circuit board with the opening in the girl’s panel.
 - e. Press enter once you have it where you want.
 - f. In the Layer manager, drag the circuit layer just below the gradient layer and above the invisible background layer.



- g. With the circuit layer still selected, press Ctrl+L or go to the Image menu, then to Adjustments, then to Levels.
- h. On the top portion of the window, adjust the middle slider (the grey one) to the right just a little. Notice that it darkens the circuit board.



17. Go to the file menu and choose “Save As” then save the file as a .psd
18. Go back to the file menu and choose save as, then on the save window, choose JPEG from the format dropdown.



That’s it! You’ve added a panel opening to a girl, added a circuit, and made her into a robot! Get creative with the shape of the panels, be aware of what the body looks like, and try new places for panels. This is also a VERY basic guide, go out and google how to make more magic!