

Colour Correction

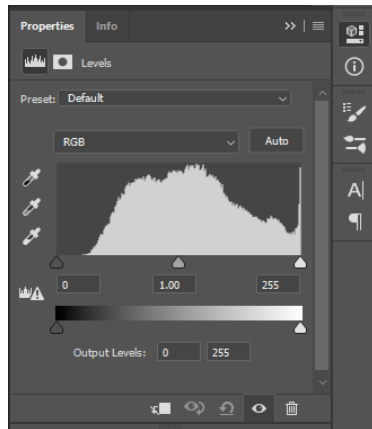
Mendocino College - Digital Image Manipulation with
Photoshop



Adobe Photoshop CC

Levels Adjustment Layer

- Used to correct the tonal range and color balance of an image by adjusting intensity levels of image shadows, midtones, and highlights.
- The Levels histogram is a visual guide for adjusting the image key tones.
- Use to sliders to adjust the black point and white point.
 - The middle slider adjusts gamma (intensity, or midtones)
- Use the eyedroppers next to the histogram to set the white/midtone/black points for your image.

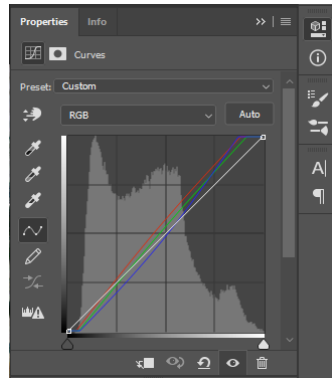


Clipping

- Clipping is when the pixels are completely washed out with no detail.
 - When shadows are clipped, the pixels are black, with no detail.
 - When highlights are clipped, the pixels are white, with no detail.
- You can preview clipping as you adjust black and white points by holding down the Alt key.

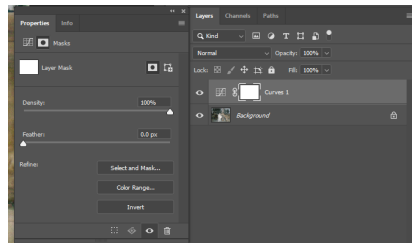
Curves Adjustment Layer

- In the Curves adjustment, you adjust points throughout an image's tonal range.
- Initially, the image's tonality is represented as a straight diagonal line on a graph.
- The upper-right area of the graph represents the highlights
 - The lower-left area represents the shadows.
 - The horizontal axis of the graph represents the input levels (original image values)
 - The vertical axis represents the output levels (new adjusted values)
- The steeper sections of the curve represent areas of higher contrast
 - While the flatter sections represent areas of lower contrast.



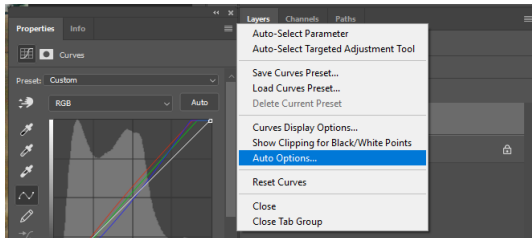
Masks

- Curves (and Levels) are applied to your image as a mask.
- This allows your edits to be non-destructive.
- You are also able to control which part of the image is effected.
- You can change the adjustment layers mask by double-clicking the mask in the layers panel.
 - From here, you can either select objects to apply your adjustment too
 - Or use the brush tool to "paint" the area's to be adjusted.



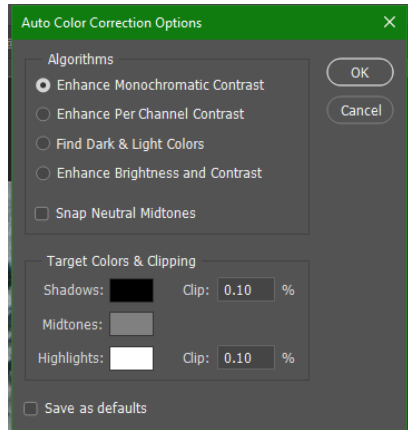
Auto Correction

- Both Levels and Curves have very good built-in auto-correction options.
- To find them, Open the properties panel for your Level (or Curves) adjustment layer.
 - Do this by double-clicking the layer thumbnail of the adjustment layer in the layers panel.
- Then click the 4 stacked horizontal bars (under the x to close the panel).
- Select "Auto Options..."



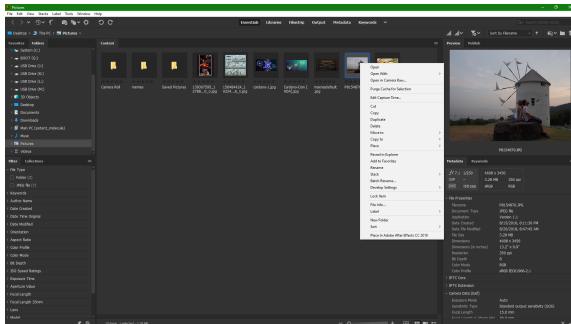
Auto Correction Options

- Here you have 4 different algorithms to utilize.
- Each algorithm uses a different method to make corrections to your images colours and tone.
- You can also adjust the algorithms by setting your own targets for shadows/midtones/highlights.



Adobe Bridge

- To access Camera Raw, you must use Adobe Bridge.
- Open Adobe Bridge
 - Navigate to your image
 - Right-click the image
 - Select "Open in Camera Raw..."



Camera Raw

- Camera Raw provides you with all of the same tools that are found in Photoshop.
- But, It is just focused on "developing" images, rather than on "manipulating" them.
- Thus you will find all the tools you need to manually correct and adjust an images colors.
- Press the Q key to toggle before/after preview.

