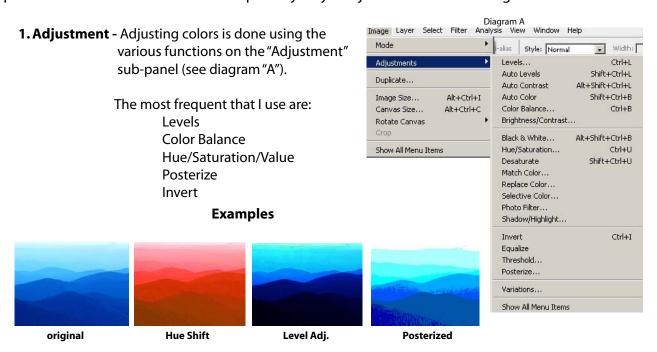
Basic PhotoShop Functions & Concepts

Color • Layers • Form • Selection • Painting • Color Mode • DPI

Color Manipulation

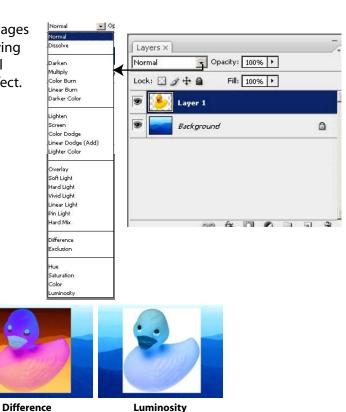
original

Color Manipulation is the control of the three elements of color (Hue, Saturation and Value). PhotoShop manipulates these three elements in **two** primary ways: Adjustment and Blending



2. Blending - Blending requires two or more images in layers (see Diagram "B"). By varying the "Blending Mode", the layers will interact and create a new color effect.

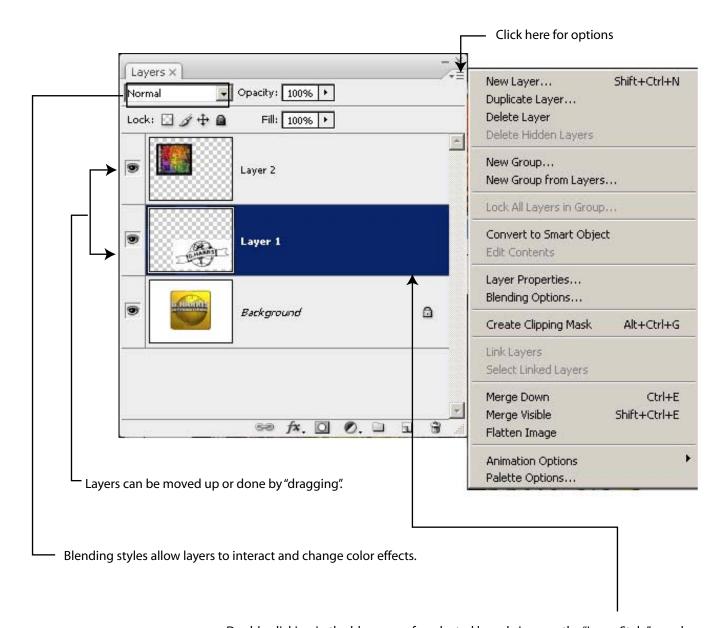
Pin



Layers

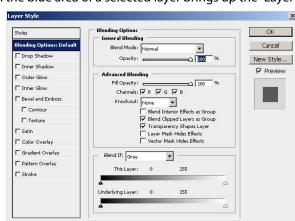
PhotoShop, similar to Illustrator, use "layers". Layers allow you to keep the various elements of your project (text, photos, painting effects ect.) seperated. This allows you work on any element without disturbing another element.

The "Layers" panel is found under the "Window" menu



Double clicking in the blue area of a selected layer brings up the "Layer Style" panel

The Layer Style panel has many effects that enhance the elements on a layer.



Form Manipulation

Form manipulation involves the resizing, reshaping, or distortion of an image. This is done by: Cropping, Transforming, and using various Filters.

1. **Cropping** - Cropping is the simple "cutting off" of the edges of an image The "Cropping" tool is on the tool box(see Diagram "C")



Crop Examples



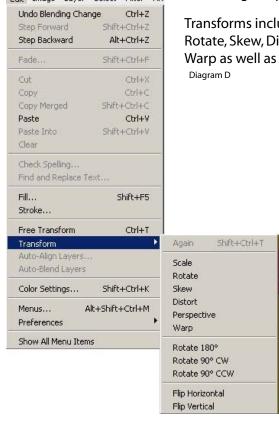
Before Cropping



After Cropping

2. Transforming - Refers to changing the shape of an image or part of an image.

Transforms include: Scale, Rotate, Skew, Distort, Perspective, Warp as well as flipping.



Transform Examples



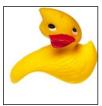






Filter Analysis View Window Help

Cutout



warped

3. Filters - PhotoShop has many filters, too many to cover here. But these are a few that I frequently use:

Filter Examples









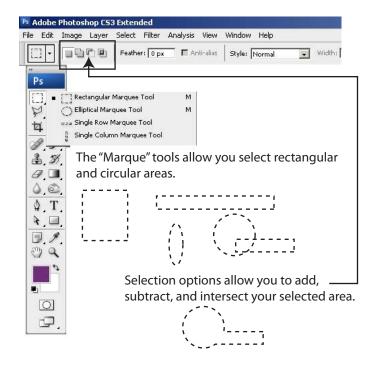


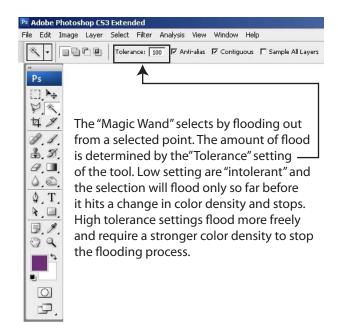
Convert for Smart Filters Extract... Alt+Ctrl+X Filter Gallery... Liquify... Shift+Ctrl+X Pattern Maker... Alt+Shift+Ctrl+X Vanishing Point. Alt+Ctrl+V Distort Displace.. Lens Correction... Pixelate Pinch.. Polar Coordinates... Render Sharpen Stylize Shear.. Spherize. Show All Menu Items Twirl... Wave.. ZigZag.. Show All Menu Items

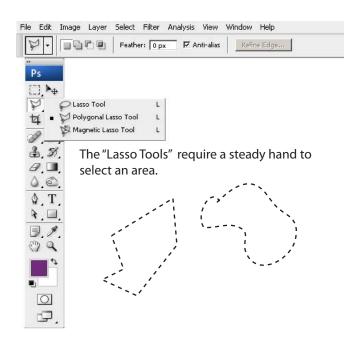
Ctrl+F

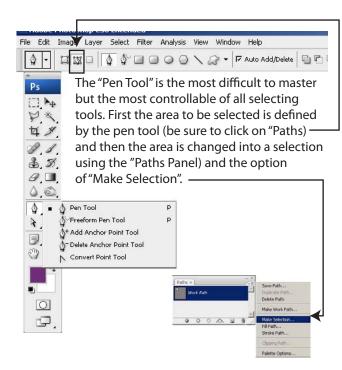
Selecting

Often, you may want to change the color or form of only part of an image. This requires you know how to "Select". There are many ways to select. They include using the "Marque", Lasso, Magic Wand tools as well as the Pen tool









NOTE: Selections also have the option of feathering. This means the area selected can be sharp or fuzzy. The higher the setting, the fuzzier the selection.



Painting

PhotoShop can also by used as a painting program. It has a full selection of brushes, color palettes, and painting tools. You can paint onto photographs or create completely new art.

0

1

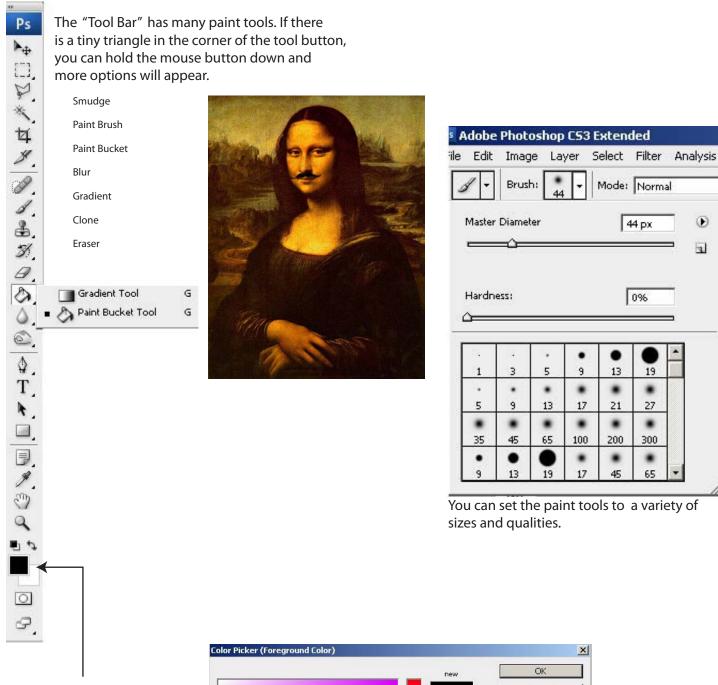
0%

19

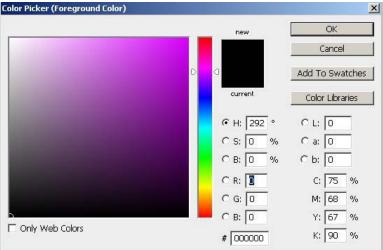
27

300

65

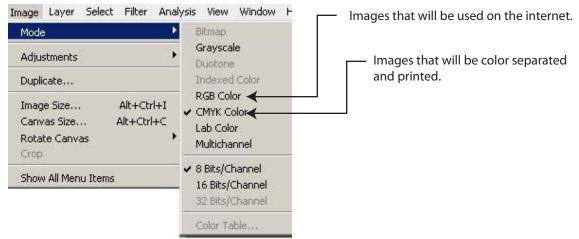


Click on the color chips at the bottom of the Tool Bar and the "Color Picker" will appear. You can choose your colors from here.



Color Mode

Images in PhotoShop are assigned a "Color Mode". The mode chosen depends on what you are going to use the image for, among other things. RGB and CMYK are the two we're usually concerned with in this class.



In general, RGB color mode images are brighter. The greens and blues are particularly vibrant compared to their CMYK counterparts.

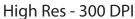


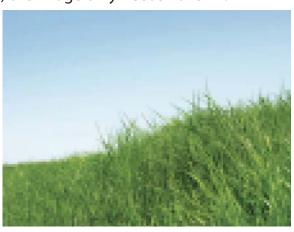


DPI (Dots Per Inch)

Digital images are composed of rows of tiny squares called pixels (dots). The more dots an image has, the sharper the image. Printing requires that an image have 300 dots per inch. To be seen clearly on the web (a computer monitor) the image only needs have 72.







Low Res - 40 DPI