

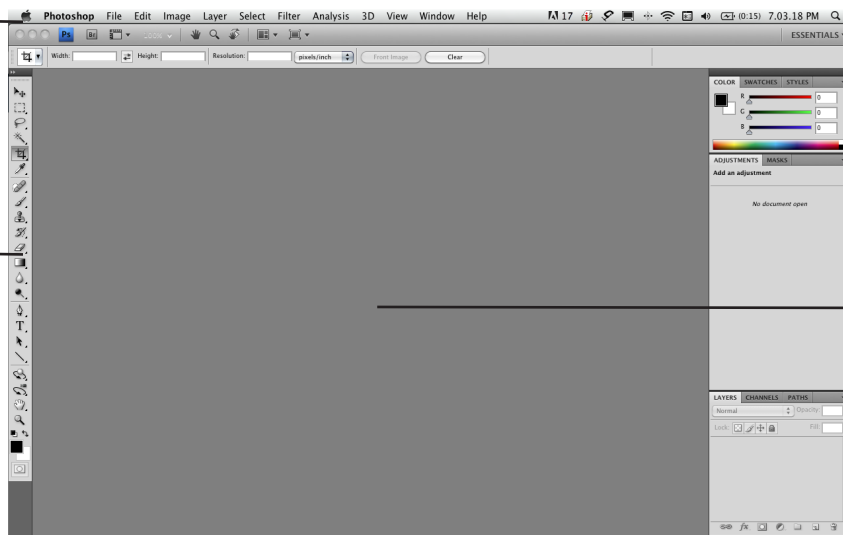
Introduction

_Adobe Photoshop is an image editing program which allows the user to make changes to an existing image. Operating off a layer based system, the user can adjust colors based on a specific selection, add or move elements within the picture, and format the picture for print.

Workspace

Menu Bar

Tool Palette



Color Editor

Adjustment Editor

Document Workspace

Layer Menu

File Creation/Management

To Create a new document:

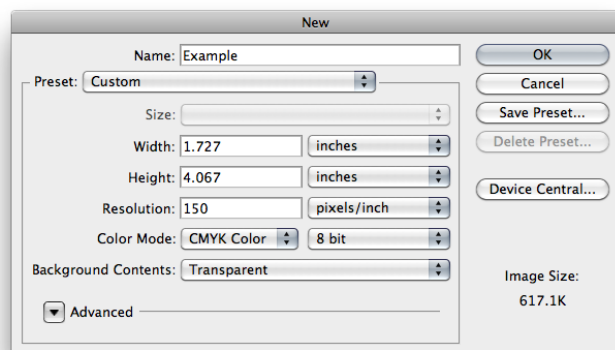
1. Go to FILE>New (⌘-N, or CTRL-N)
2. Change document to desired width and height
3. Change DPI to correct setting:

75 DPI_ web images

150 DPI_ typical print resolution

300 DPI_ high resolution

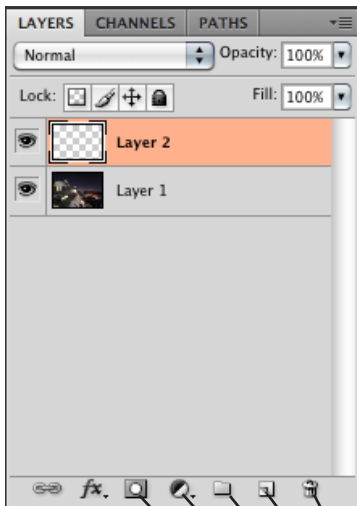
*REMEMBER, THE HIGHER THE DPI THE HIGHER THE FILE SIZE. 150 DPI IS TYPICALLY THE EASIEST RESOLUTION ON THE PLOTTERS, SO IT IS HIGHLY RECOMMENDED.



To Open an existing image:

- _Go to FILE>Open (⌘-O, or CTRL-O)
 - _Change Image Size/Resolution
- IMAGE>Image Size

Layer Menu



Layer Opacity
 Layer Fill
 Layers
 (Orange is selected)

Delete Layer
 New Layer
 New Group
 New Adjustment Layer
 Layer Mask

Photoshop uses layers to overlay and underlay various objects on the canvas. These are very powerful tools if used correctly.

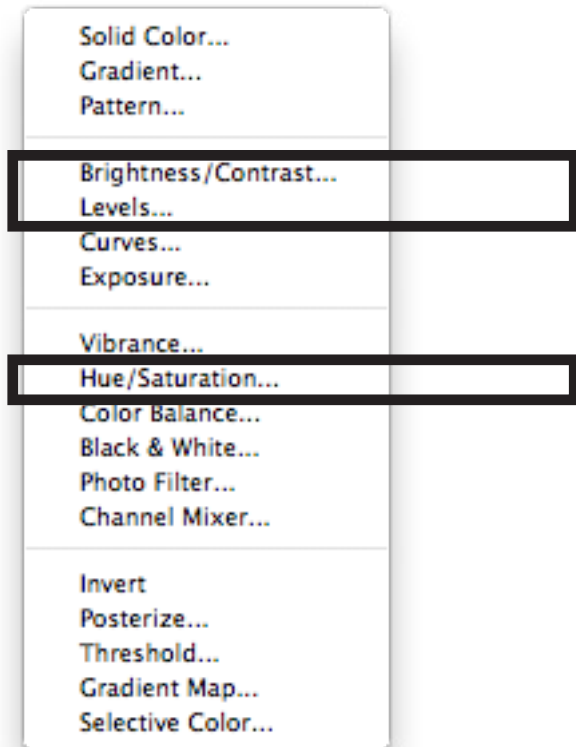
Basic Layer Commands:

- New Layer
 _Click New Layer Button
- Duplicate
 _RIGHT CLICK>Duplicate Layer (⌘-J or CTRL-J)
- Delete Layer
 _Drag Layer to Trash Can OR
 _RIGHT CLICK>Delete Layer
- Turn Layer Off
 _Click Eyeball on left of layer
- Lock Layer
 _Highlight Layer>Click Lock Icon

There are also elements called ADJUSTMENT LAYERS and LAYER MASKS. The can be very helpful in personalizing your image to achieve your desired effect.

Adjustment Layers

_Adjustment Layers can be used to change various settings of a particular layer. These settings are:



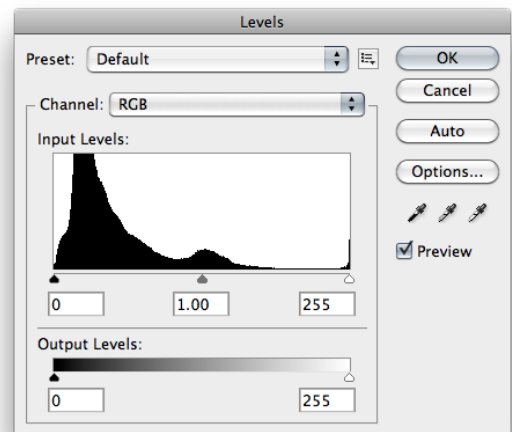
Brightness/Contrast:

Brightness controls the lightness of an image
 Contrast controls the sharpness of the colors

Hue/Saturation:

Hue (Color) changes the base color of the image
 Saturation controls the intensity of the colors

Levels:



This adjustment controls the Low, middle, and high tones of the image. The Low are represented by the black slider, the middle by the grey slider, and the high-lights by the white.



Layer Mask

Layer masks edit the visibility of a given layer. Black and white are used as the two spectrums of visibility. Black is not visible, while white is 100% visible. Note the four corners of the mask box are highlighted. This means that it is currently selected, and any edits are done to the mask, not the image.

Image Manipulation

Images can be manipulated in various ways.

Image Transform

- _ Adjusts the scale, size, rotation, and various other transformations of the image.
- _ Use selection tool to highlight an area of the layer, operate command with ⌘-T or CTRL-T
- _ Use Shift key to maintain uniform transformations

Effects

- _ There are various effects and filters that can be applied to images to create unique effects.
- _ The editor is opened by going to $\text{FILTER} > \text{Filter Gallery}$. Here is the entire library of effect that can be applied and previewed instantaneously.

