Photoshop – Part 1
Let's start something new.

Start with your own document settings, pre-formatted document presets or explore some of our helpful templates and starter files.

Resolution: 72 pixels/inch

Clipboard: 378 x 938 px @ 72 ppi
Image Resolution, Size and Compression

What does it really mean?

Ok, so your "5 mega-pixel" digital camera can capture at different "resolutions" like 1024 x 768, 800 x 600, 640 x 480, or 320 x 240 and also with varying levels of "compression". But what does this mean? What is "compression" and how big a print can you make?

Well, we hope to answer these questions and more for you as we demystify this subject.

https://microscope-microscope.org/microscope-info/image-resolution/
300 - 600 working size
A representation of additive color mixing. Projection of primary color lights on a white screen shows secondary colors where two overlap; the combination of all three of red, green, and blue in equal intensities makes white.
The **CMYK color model** (process color, four color) is a subtractive color model, used in color printing, and is also used to describe the printing process itself. **CMYK** refers to the four inks used in some color printing: cyan, magenta, yellow, and **key**.

The CMYK model works by partially or entirely masking colors on a lighter, usually white, background. The ink reduces the light that would otherwise be reflected. Such a model is called *subtractive* because inks "subtract" the colors red, green and blue from white light. White light minus red leaves cyan, white light minus green leaves magenta, and white light minus blue leaves yellow.

Additive color models, such as RGB, white is the "additive" combination of all primary colored lights, while
Font size options include:

- Pixels
- Inches
- Centimeters
- Millimeters
- Points
- Picas
BIT

BINARY DIGIT

01

< 0

[0 0 0 7 -> 4]
8 BIT
0 0 0 0
0 0 1 0
0 1 0 1
0 1 1 0
BIT DEPTH

- 8 bit
- 16 bit
- 32 bit
- Rectangular Marquee Tool M
- Elliptical Marquee Tool M
- Single Row Marquee Tool
- Single Column Marquee Tool
Point Sample
3 by 3 Average
5 by 5 Average
11 by 11 Average
31 by 31 Average
51 by 51 Average
101 by 101 Average