

# IMAGE RESOLUTION AND PRINT SIZE

**Image Resolution** is the measurement of the amount of detail in a digital image. The higher resolution means more image detail. Devices for digital capture have different resolution, depending on the size of the capture sensor and resolving power of the lens. Thus, an 8MP image resolution from a smartphone vs. from a camera will have different detail because of the different sensor size and lens.

## Image Resolution Information

**Preview:** Tools>Adjust Size...

**Photoshop:** Image>Image Size...

**Metadata:** Embedded in file metadata, accessible through camera manual

## DETERMINING PRINT SIZE

The image resolution determines the best print size for your image at the native resolution without interpolation. To find what print size your device is capable of outputting, divide your image resolution by one of the following dpi:

240: Lowest recommended resolution for photographic quality

300: Ideal print resolution

$$\text{Image Dimension} \div 300 = \text{Print Dimension}$$

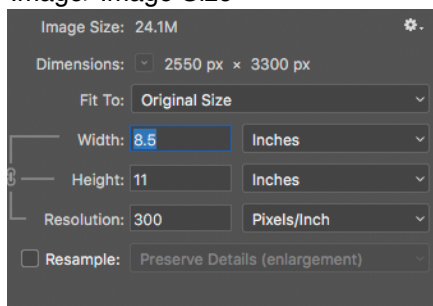
*Example:*

*Image Dimensions: 2448x3264 (8MP iPhone 6)*

*Print Dimensions: 8.16x10.88in @ 300dpi*

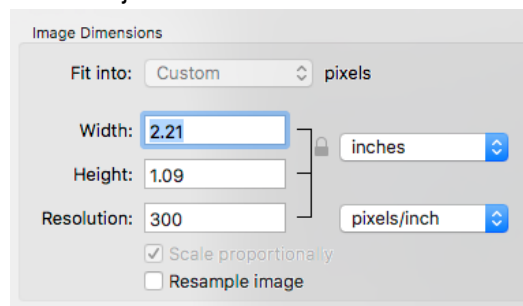
### Photoshop

Image>Image Size



### Preview

Tools>Adjust Size



1. **UNCHECK** "resample"
2. **RESOLUTION** enter 300
3. **INCHES** use for unit of measurement

## PRINTING LARGER

Want to print larger than your device's capture resolution? It is possible to interpolate an image - to add pixels to increase image resolution - with good results. The final output resolution will be determined by the quality of initial capture. Rather than resampling the image yourself, we will use specialized software that improves the final result.