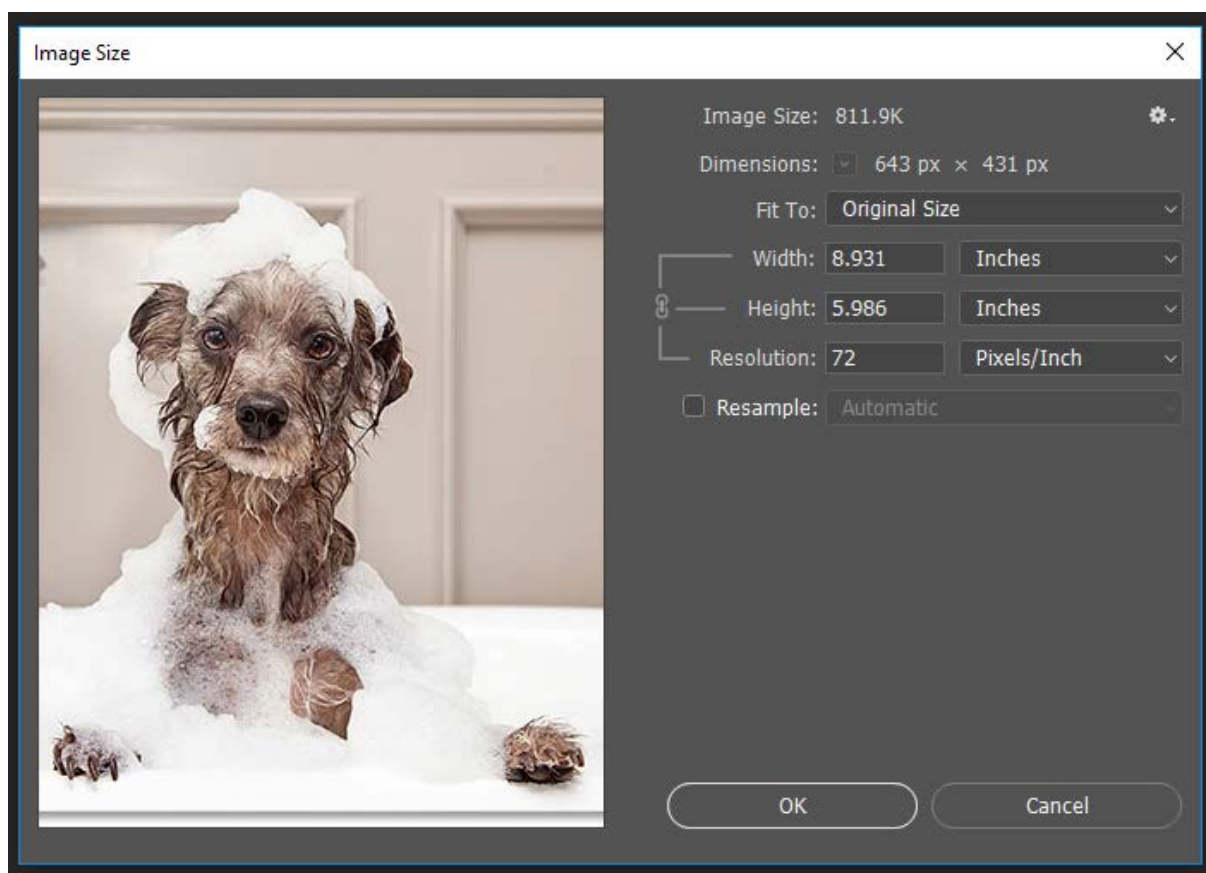


Original Image



What is...

Image Size: 811.9Kthis is really the **file size** in bytes, KB, MB, GB**Dimensions:** 643 x 431**width x height** of image measured in **pixels****Fit To:** Original Sizeset of **preset image sizes** that you can select from or **custom size** your image**Width:**

how wide the image is when measured in whatever format is selected (inches here)

Height:

how tall the image is when measured in whatever format is selected (inches here)

Width and Height are usually locked to preserve image **aspect ratio** and prevent distortion when changed

Resolution:

this refers to the image quality in terms of the number of pixels per unit of measure

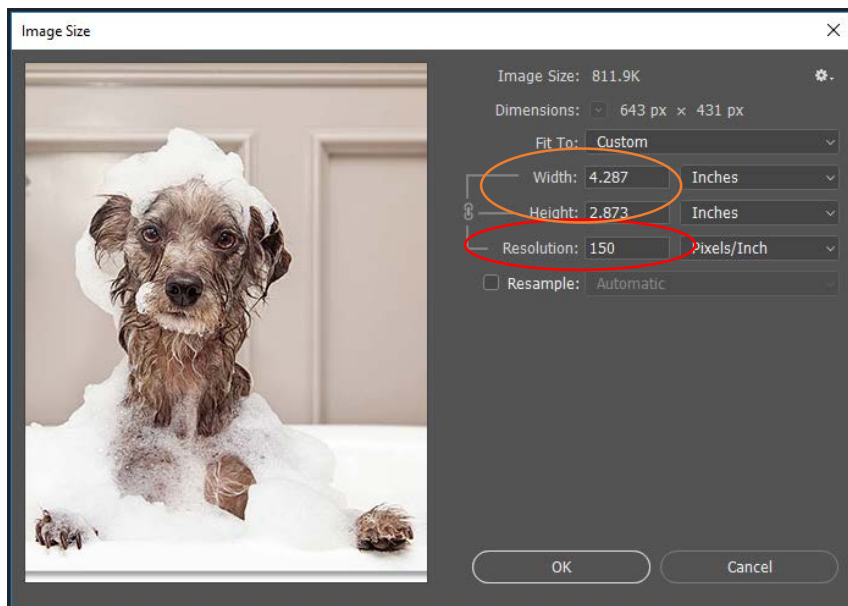
Resample:

set of interpolation methods used when making an image smaller or larger

The only thing that can be turned ON or OFF is the Resample option. What's the difference?

Resample OFF

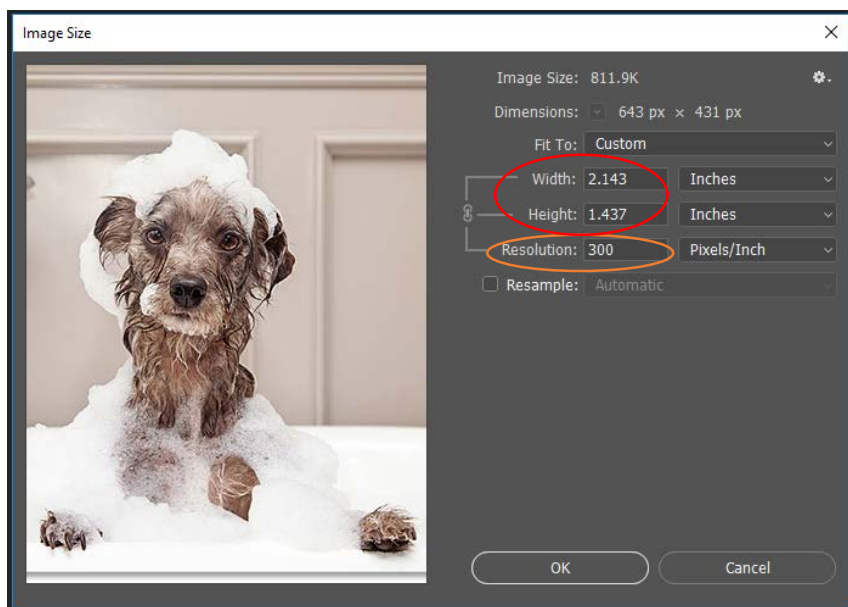
Change **Resolution**



Result: Increase Resolution = Smaller W and H

Decrease Resolution = Larger W and H

Change **Width/Height**

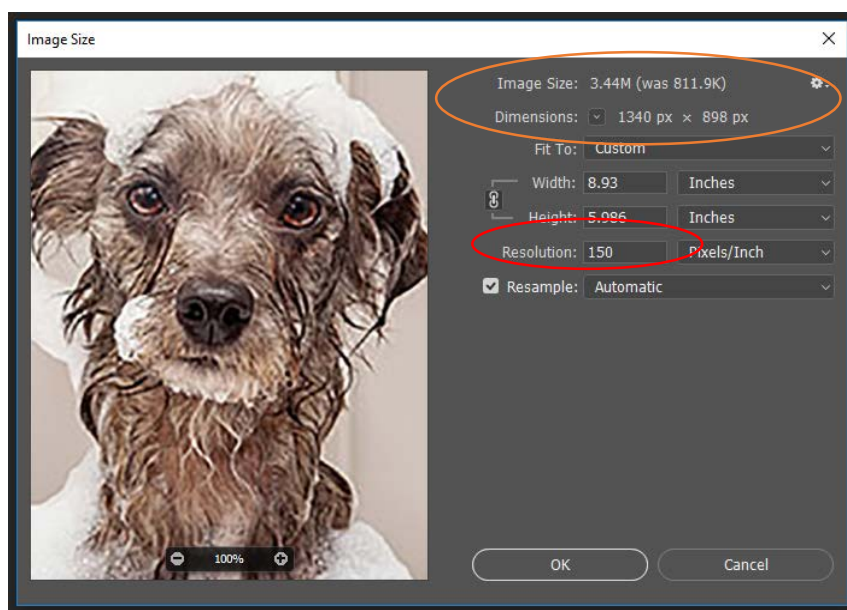


Result: Increase W and H = Smaller Resolution

Decrease W and H = Larger Resolution

Resample ON

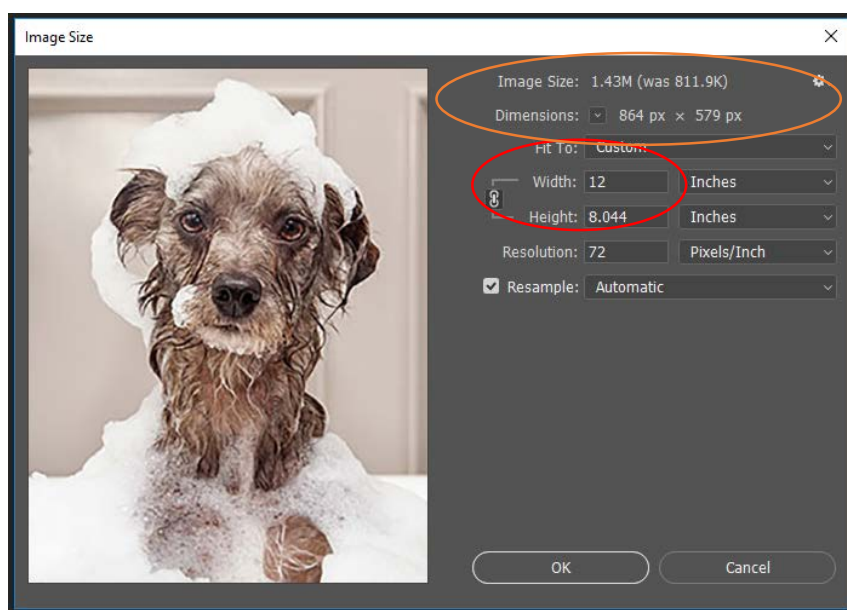
Change Resolution



Result: Increase Resolution = Larger File Size and Dimensions but image W and H unchanged

Decrease Resolution = Smaller File Size and Dimensions but image W and H unchanged

Change Width/Height



Result: Increase W and H = Larger File Size and Dimensions but Resolution unchanged

Decrease W and H = Smaller File Size and Dimensions but Resolution unchanged

Most Common Aspect Ratios used in Photography

- 3:2 Classic 35mm film, most DSLRs - 6x4, 12x8
- 4:3 Standard computer monitor, compact and mirrorless cameras - 8x6, 16x12
- 16:9 HD/widescreen television, panorama -
- 16:10 common computer screen

Most Common File Formats used in Photography

USE	File Type	Notes
Internet	JPEG/PNG	JPEG for smaller size, PNG for higher quality
E-mail	JPEG	
Print	Whatever your printer supports	TIFF for very important professional prints. PSD and JPEG work for most of us
Logo/Graphics	GIF/PNG	PNGs support more colours but aren't universally recognized by browsers yet
Photoshop/Elements	PSD	
Need a Transparent Background?	PNG/GIF	

Photo Enlargement Chart

File Size (Pixels)	Megapixels	Maximum Print Size @200 DPI	Maximum Print Size @300 DPI
1,600 x 1,200	2MP	8.0 X 6.0	5.3 X 4.0
2,048 x 1536	3MP	10.2 X 7.6	6.8 X 5.1
2,592 x 1944	5MP	12.9 X 9.7	8.6 X 6.4
3,072 x 2304	7MP	15.3 X 11.5	10.2 X 7.6
3,264 x 2,448	8MP	16.3 X 12.2	10.8 X 8.1
3,648 x 2,736	10MP	18.2 X 13.6	12.1 X 9.1
4,000 x 3,000	12MP	20.0 X 15.0	13.3 X 10
4,288 x 3,216	14MP	21.4 X 16.8	14.2 X 10.7

Some useful links:

<https://digital-photography-school.com/image-size-and-resolution-explained-for-print-and-onscreen/>

<https://ifactory.com.au/news/difference-between-image-size-and-image-resolution>

<https://helpx.adobe.com/photoshop/using/image-size-resolution.html>

<http://www.digitalphotographyformoms.com/how-large-can-i-print-this-photo-2/>