

# **UpRez Images w/ Topaz**

**In Photoshop**

**Camera Club of Laguna Woods Village**

May, 2025 - V1

# Why UpRez An image?

**The image does not have sufficient resolution to achieve the desired print size.**

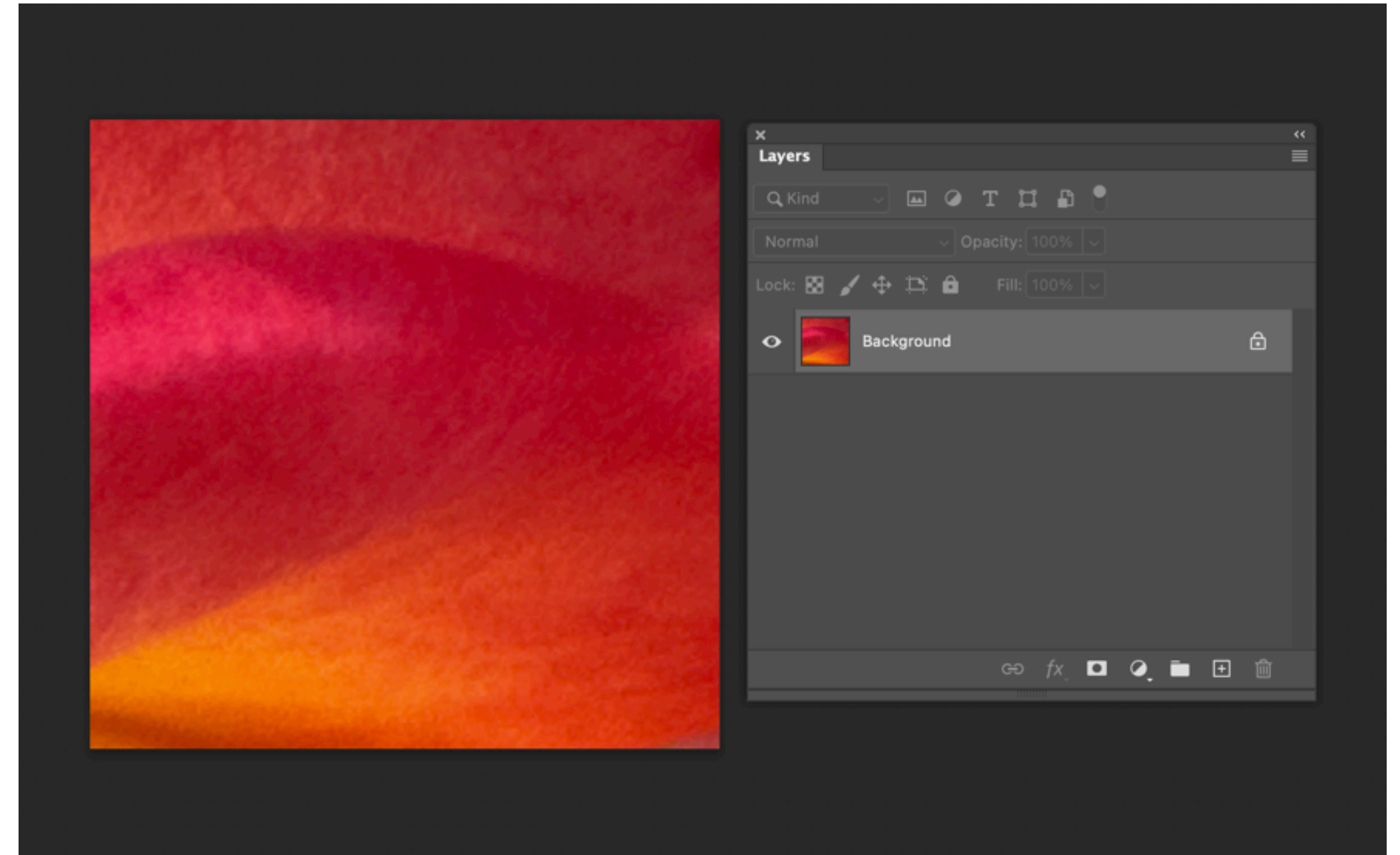
- the ideal image resolution for Photo Lab prints is 300dpi
- Lab printers may produce good prints at lower dpi (220)
- **this guide shows how to up-rez image to a higher dpi**
- the process in this guide utilizes the Topaz Gigapixel plugin
- the guide shows how the up-rez an image to print at 16 inches

**- <https://www.topazlabs.com/gigapixel> -**

# Open Image

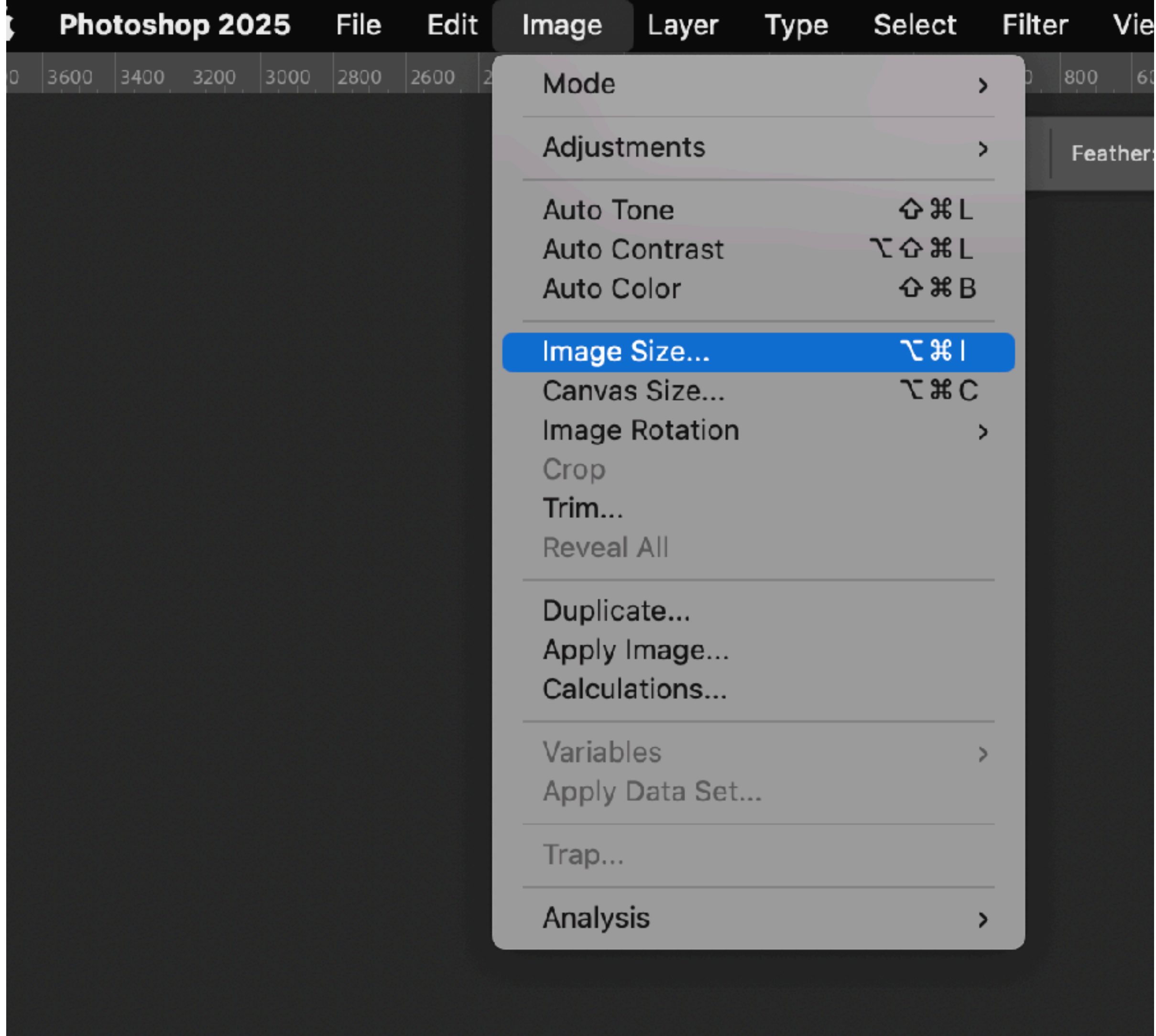
Open the image to determine it's resolution.

- save the image as a TIFF file (File/Save As)
- there should be one layer



# Open “Image Size” Palette

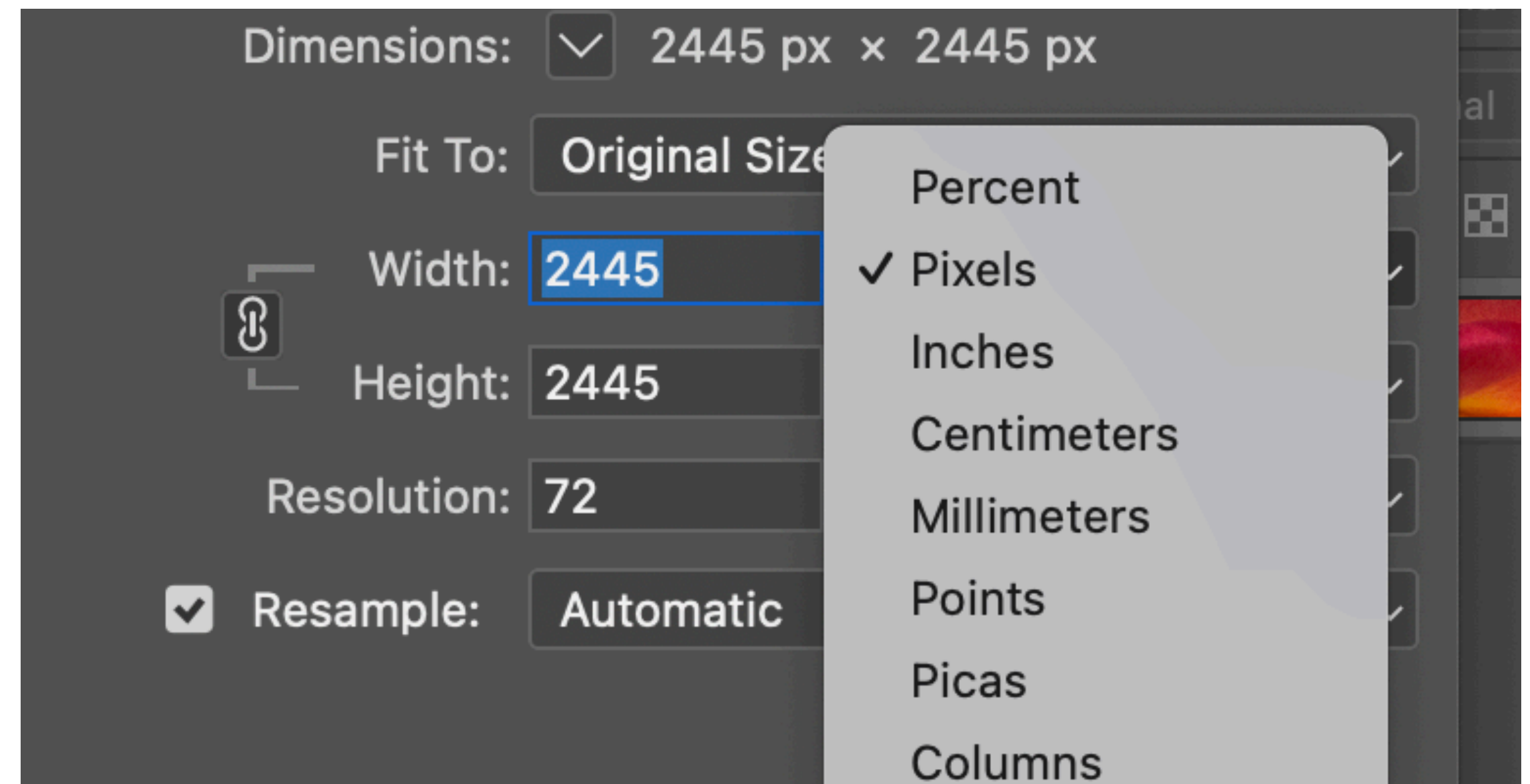
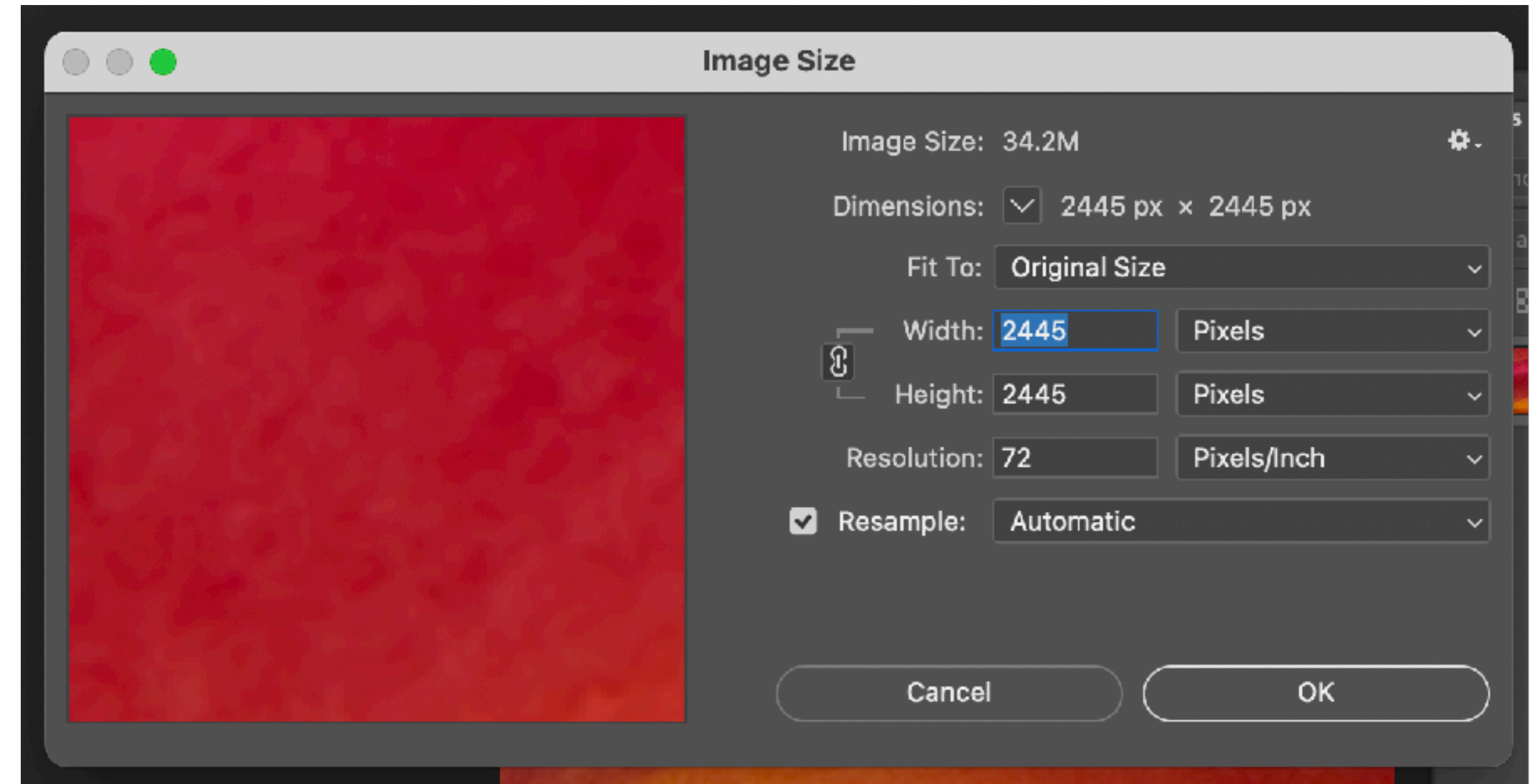
Top menu / Image / Image Size ...



# Determine Image Size

The “Image Size” palette is crucial.

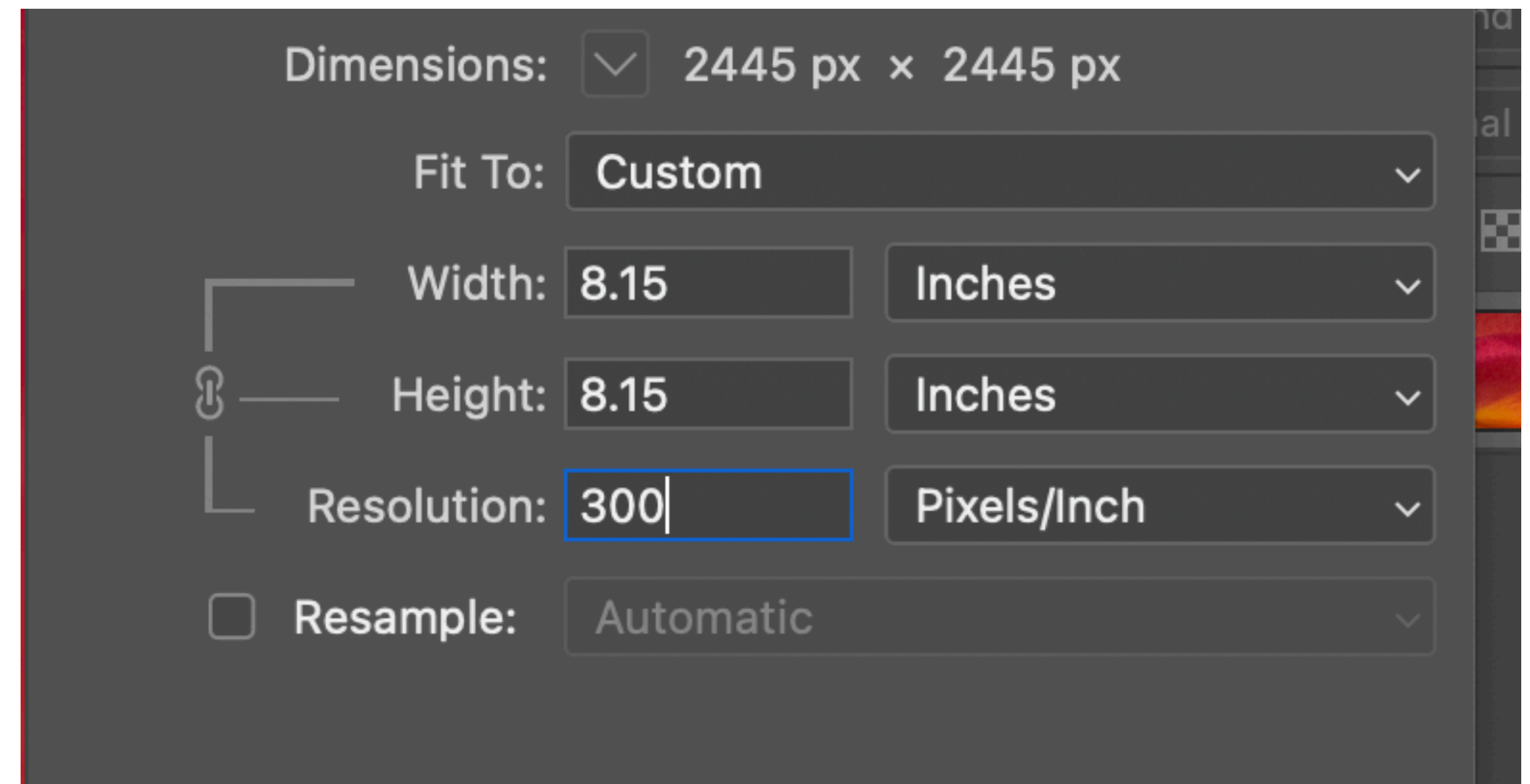
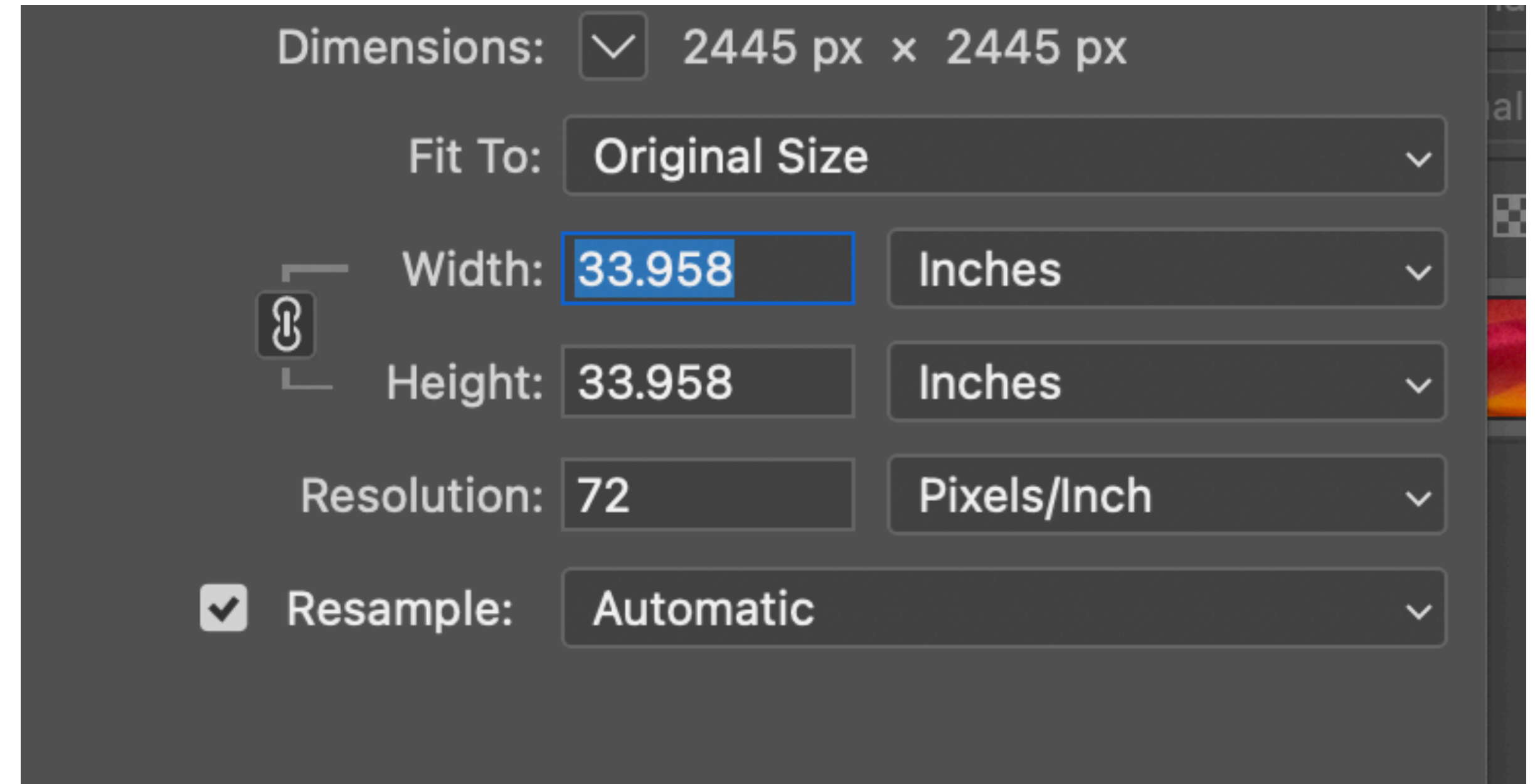
- it tells you the image size in pixels
- it tells you the resolution
- for prints, you want the unit to be inches
- **CLICK** either the width or size pulldowns
- **CHANGE** the unit to “Inches”



# Analyze the Image Size

What size can be printed at 300dpi?

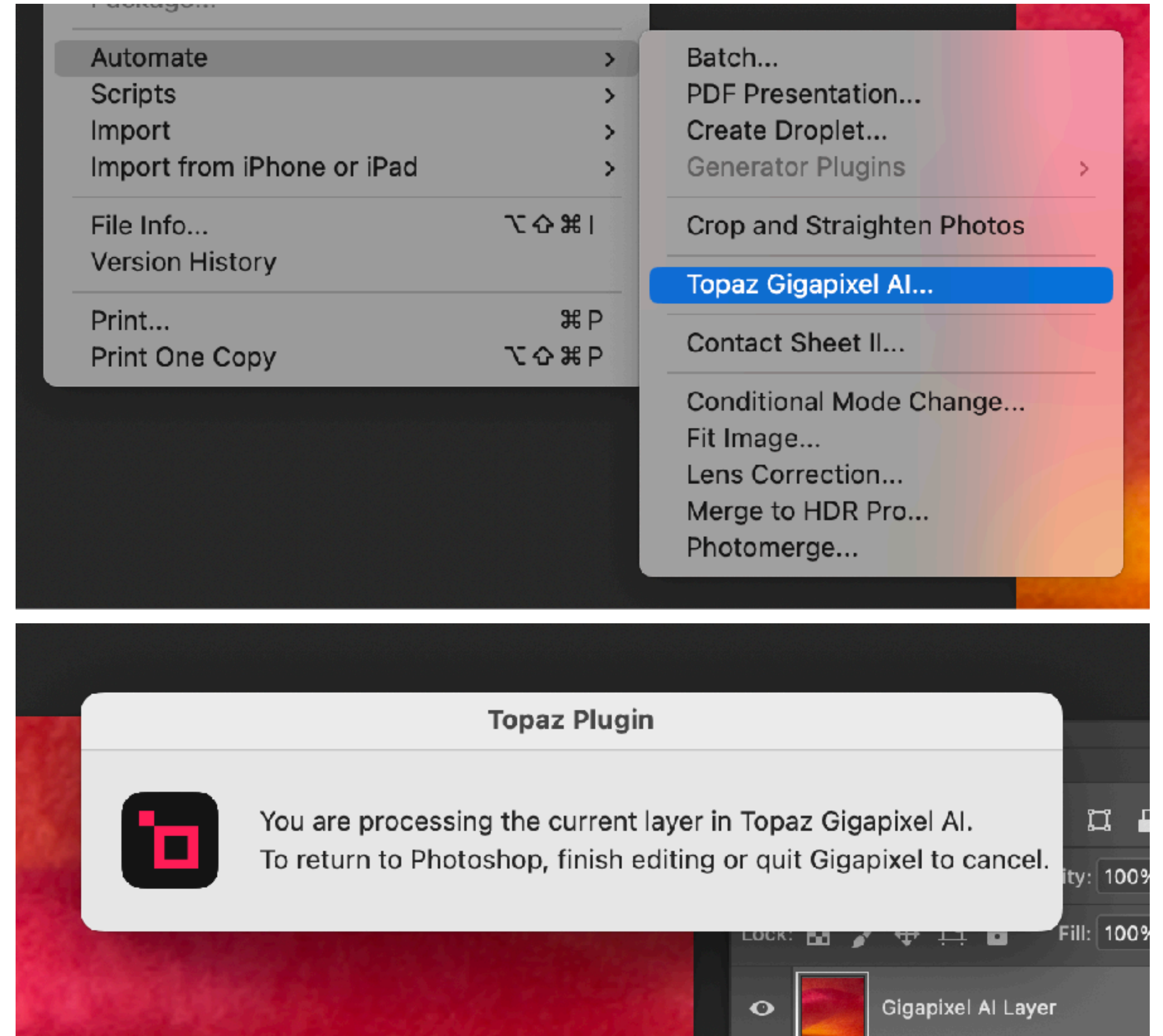
- the image can print 34 inches at 72 dpi
- **CHANGE** the resolution to 300dpi
- the print can now be printed 8.15 inches
- we want the print to be 16 inches
- the print dimension needs to double
- **the image needs to up-rez 2X**



# Topaz Gigapixel

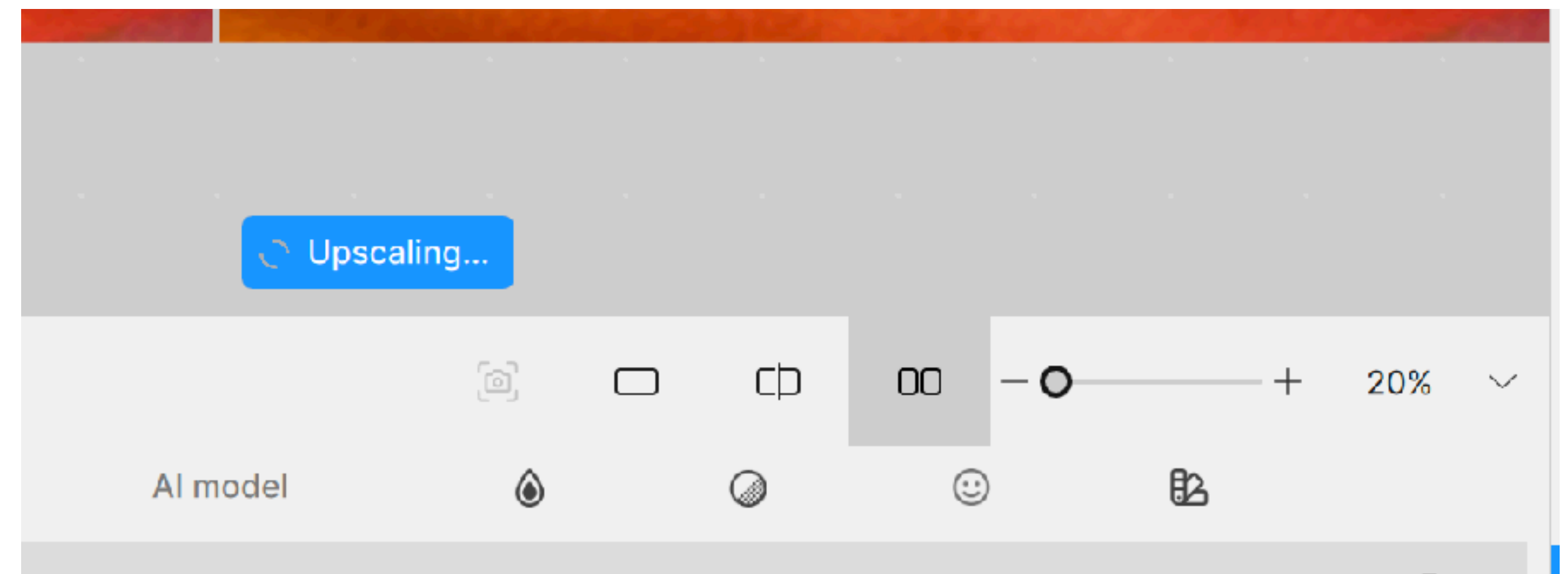
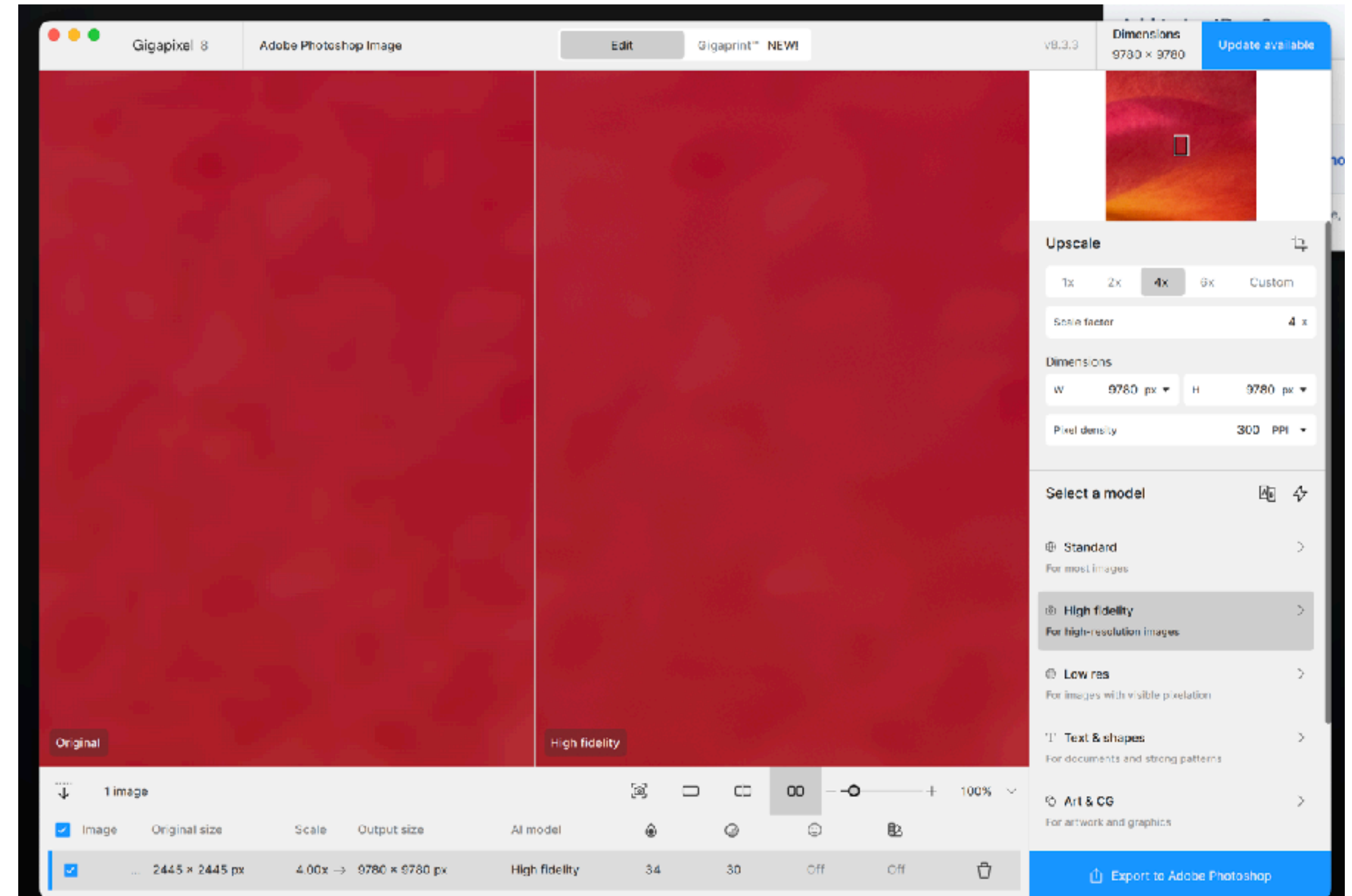
Top menu / File / Automate / Topaz ...

- OPEN the Topaz Gigapixel plugin
- the image will open in the Topaz Cloud



# Open “Image Size” Palette

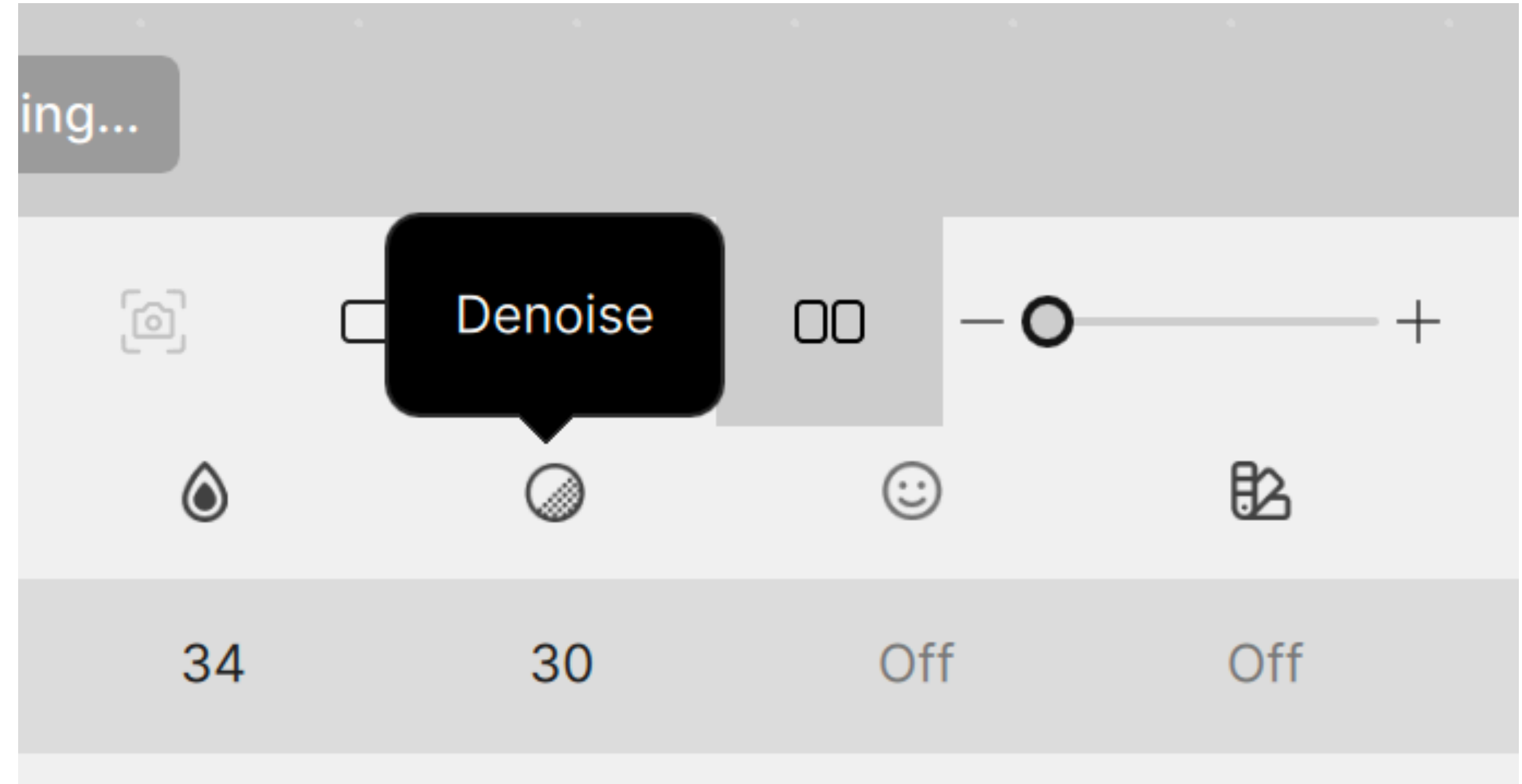
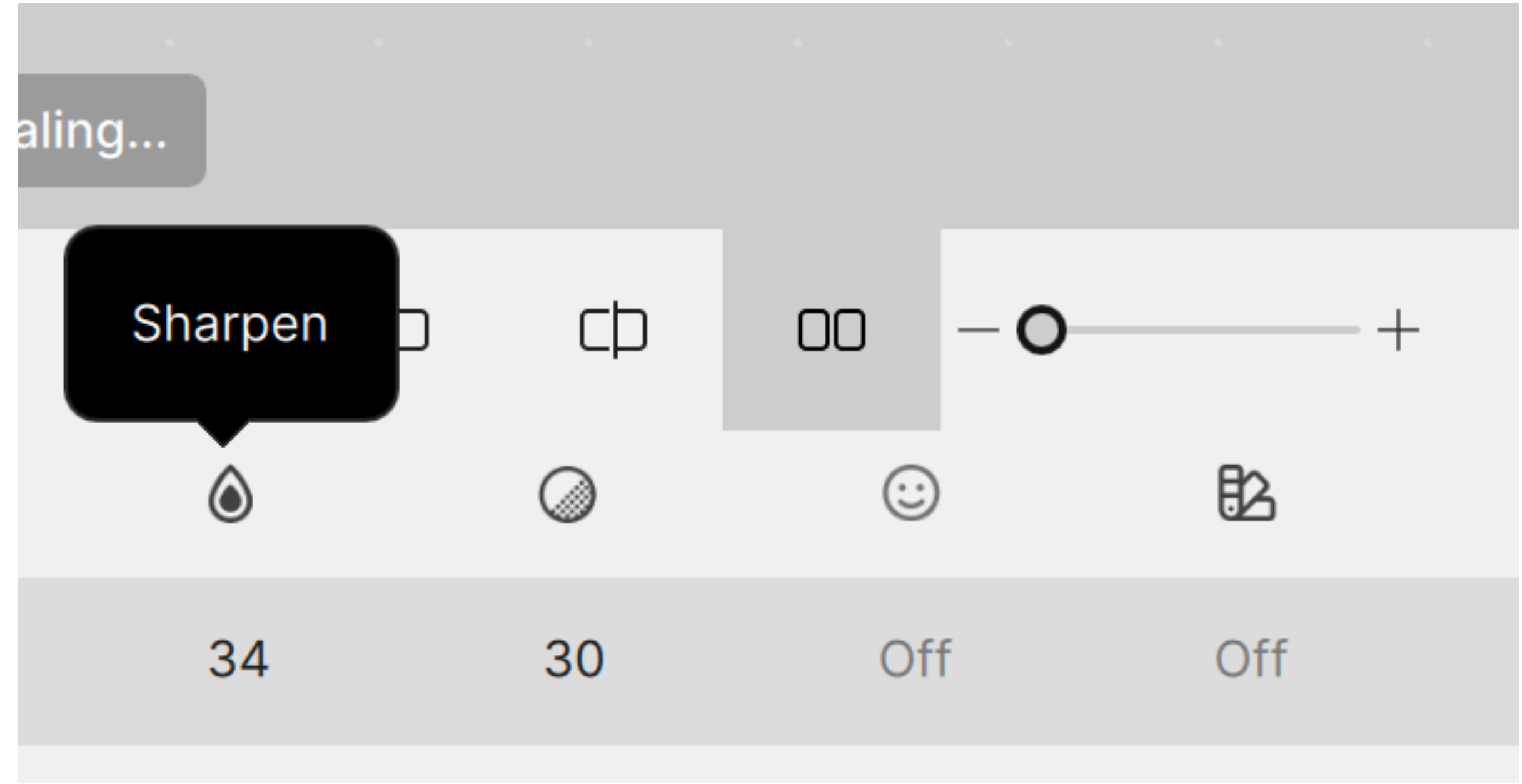
- the Topaz Gigapixel palette will open
- original to left, up-rez version to right
- Topaz has auto selected up-res option 4X
- **CHANGE** the up-rez option to 2x
- Topaz will auto processes any changes
- the “Upscaling” button will fill with blue to indicate progress on the changes
- Topaz AI auto selected a “Model Type” - you **CAN** change this to experiment
- Topaz AI auto selected the Denoise/Sharpen settings, you **CAN** also change these settings (see next page)



# Fine Tune the Up-Rez

You CAN override the Topaz AI decisions.

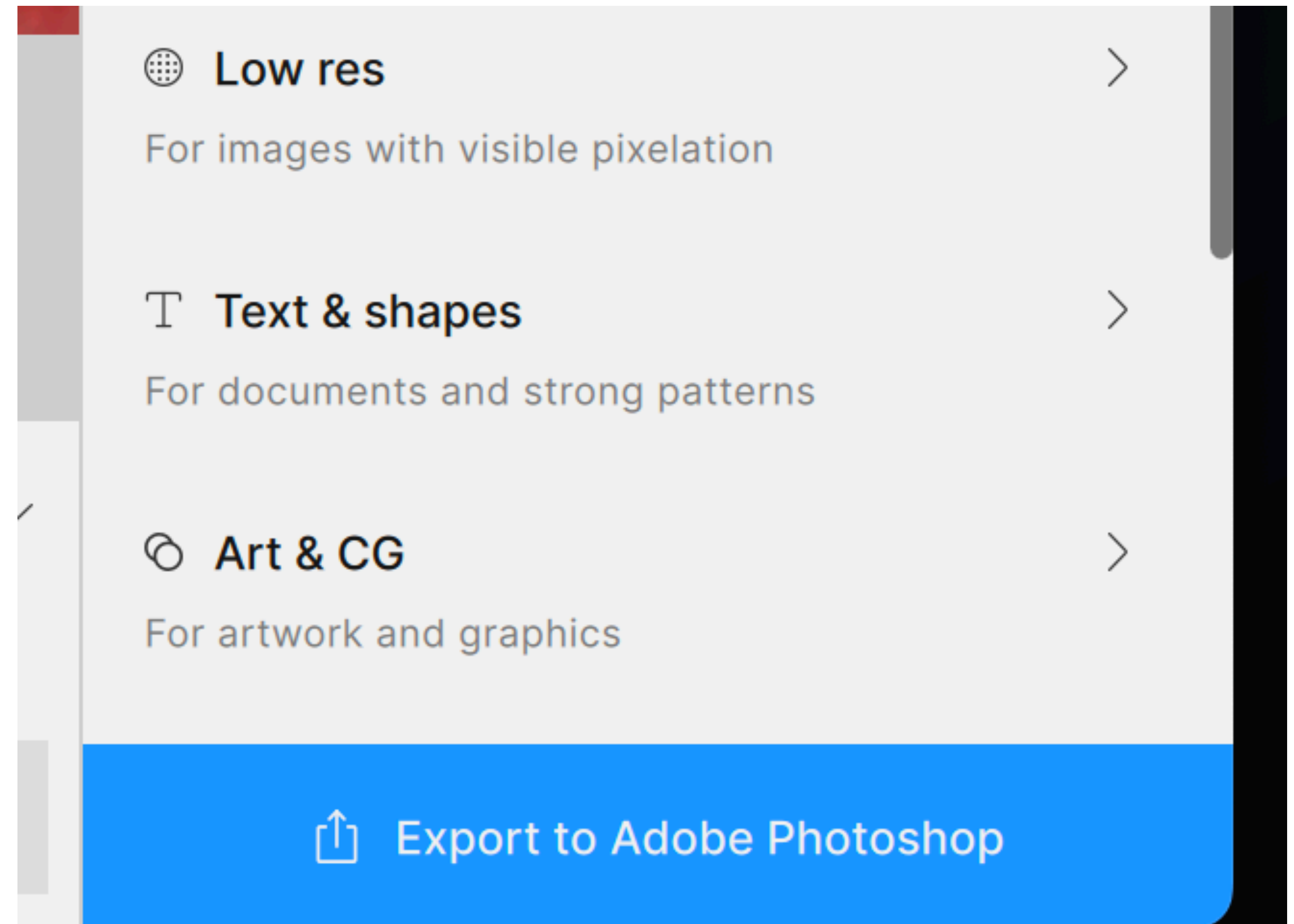
- use the sliders to change the settings
- Topaz will auto processes any changes
- **do NOT over sharpen or smooth**



# Export Image to Photoshop

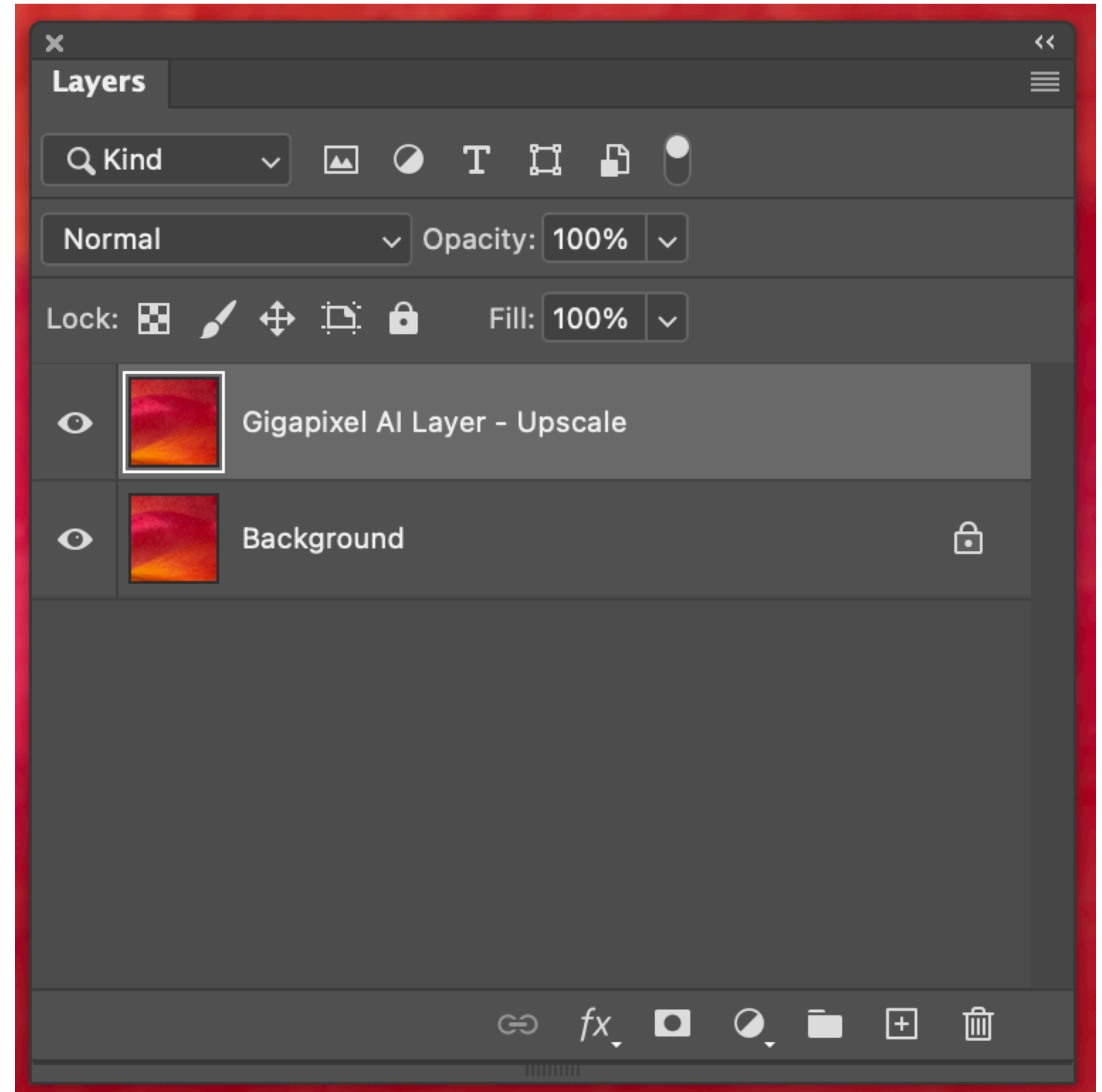
**CLICK** on the blue “Export...” button.

- Topaz will export the image with all changes back to your Photoshop
- the adjusted file will be sent to your local Photoshop open screen
- this file will be automatically open
- Note: the export button is found in the lower right of the Topaz screen



# The New Image Will Open

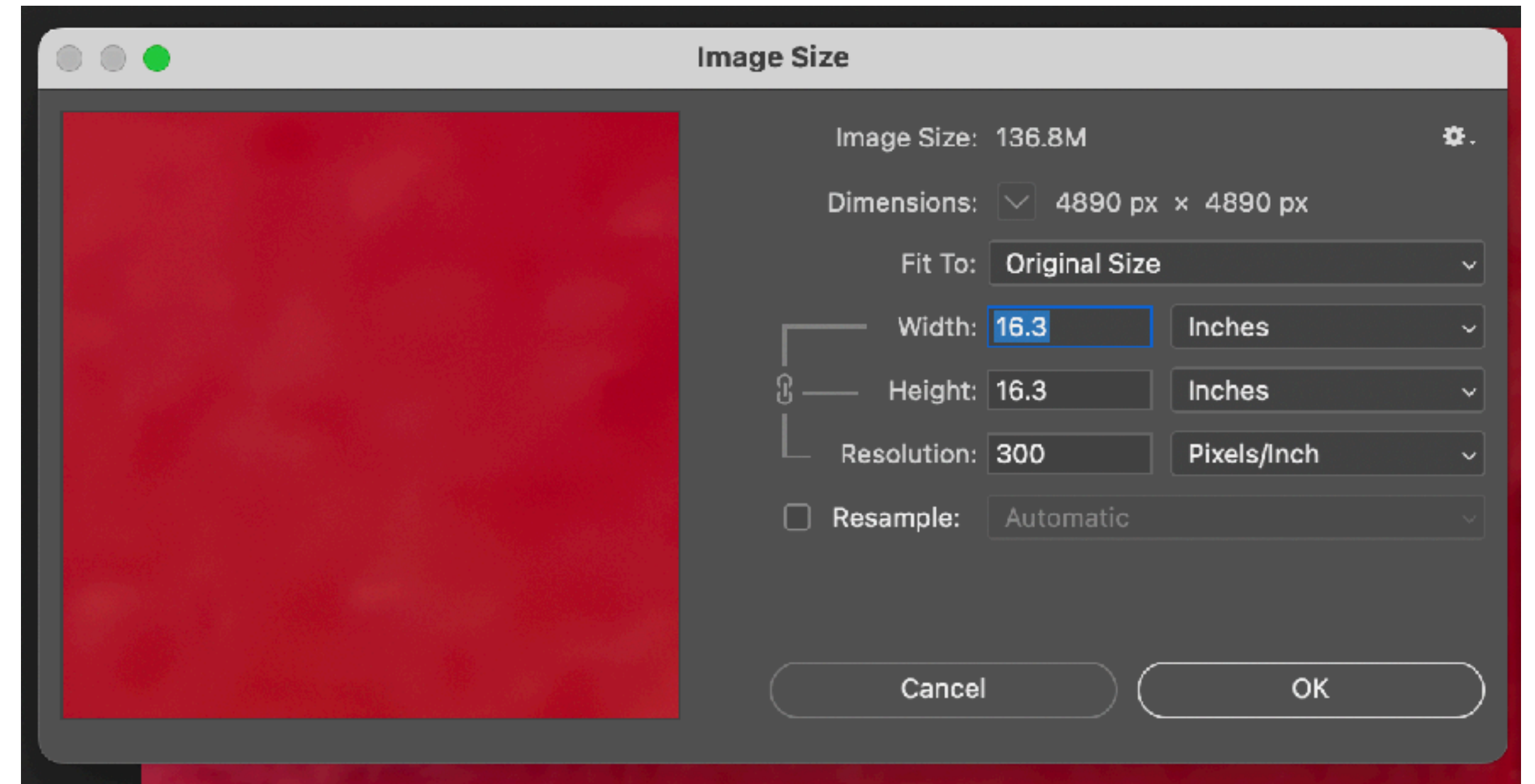
- the new image will open with a new layer
- all filters (denoise/sharpen) will be embedded in this new layer image
- the locked lower layer retains the original conditions



# Open “Image Size” Palette

Top menu / Image / Image Size ...

- review the dimensions and resolution by opening the “image Size” palette
- **make sure the image is optimized to print to the size and resolution you want**
- Note: if your calculations were incorrect. re-open this file in Topaz and make adjustments as needed
- **IF OK - SAVE the file with a new name**
- PRINT the image



# Summary

## **Topaz Gigapixel plugin can up-rez an image for optimum printing**

- try to make prints at the best possible resolution - 300dpi
- Photo Lab printers produce excellent prints at resolutions 220-300dpi
- prints can be printed as low as 150dpi, but with reduced quality
- make sure clients understand these quality issues
- save all working files, and originals in a folder named for the client
- save the client folder to one of the Club backup hard drives (Shuttles)
- delete the desktop folder for the client when the final print is paid for!
- good luck!