

# Five Tips for Modifying Digital Images

1. Download image from *Internet Archive*
2. Sharpen image in *Photoshop*
3. Enhance image in *GIMP*
4. Enhance image in *G'Mic*
5. Enhance images using online Style Transfer

# Tip #1: Downloading images

- Use browser to go to *archive.org*
- Right click on a picture, use *Copy Image Address* instead of *Copy Image*.
- In another window, paste address into browser address bar.
- Change *Scale*= number to 1.
- Copy image into Photoshop. Now, it's BIG, 4058 x 5453 pixels instead of 508 x 682 using *Copy Image*

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# Tip #2: Sharpen image

- After straightening, cropping, and using various Photoshop adjustment tools (not covered today), copy your adjusted image to a new layer.
- Use *Filter/Custom/High Pass* on new layer.
- Blend with previous layer using *Hard Mix* blending mode. This allows adjustable sharpening of image.

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# Tip #3: Enhance images in GIMP

- Open Photoshopped image in *GIMP*.
- 3 regular GIMP filters on new layers: 1) *Distort/Engrave*, 2) *Distort/Kaleidoscope*, 3) *Artistic/Glass Tile*
- Use *File/Overwrite* to save over old Photoshop file, return to Photoshop and *Update File*.

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# Tip #4: Enhance images in G'Mic

- **G'Mic** is a set of GIMP-based filters. It can be added to GIMP or it can be accessed from the web at <https://gmicol.greyc.fr/>
- Here are three to try. You can access them from a link at the bottom of the GIMP filters list.
  - *Artistic/Dream Smoothing*
  - *Artistic/Graphic Boost, Graphic Novel, Illustration Look* Choose one of “GGI”
  - *Testing/Sami/Black & White/Engrave Colore*
- Use *File/Overwrite* to save over old Photoshop file, return to Photoshop and *Update File*.



Loading picture ...



GREYC's Magic for Image Computing

Open file...

**Note: There is also an online version of G'Mic at [gmicol.greyc.fr](http://gmicol.greyc.fr)**

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# Tip #5: Online Style Transfer

- In Photoshop, Convert (**File/Save as**) your image to a PNG file
- In your web browser, go to [www.neuralstyle.art](http://www.neuralstyle.art) (Optional: create account, buy small amount of processing)
- **Create, Choose File** (PNG file), Choose style from pre-made styles, adjust options, then **GO!**
- First run creates small file, successive runs create larger files.
- Copy final size into Photoshop, resize, and paste onto your image, adjust opacity and blending modes.

# If Time: What Next?

1. Review one of the five tips
2. Answer questions
3. Bob-guided tour of [archive.org](https://archive.org)
4. Explore online [G'mic](#)

Thank you for coming. Join us on Tuesdays at 7 PM for [Digital Sharing](#).