

# Liquify Filter

Mendocino College - Digital Image Manipulation with  
Photoshop




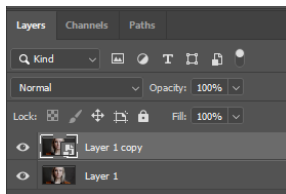
Adobe Photoshop CC

# What is the Liquify Filter?

- The Liquify filter lets you push, pull, rotate, reflect, pucker, and bloat any area of an image.
- This allows us to easily manipulate peoples facial features, such as adjusting nose size, or turning a frown into a smile.
- The distortions you create can be subtle or drastic, which makes the Liquify command a powerful tool for retouching images as well as creating artistic effects.
- Use the filter for subtle retouching tasks, and reach for it to smooth out wrinkles in clothing or rough edges.
- The Liquify filter is also used to tweak subtle elements, such as facial features.

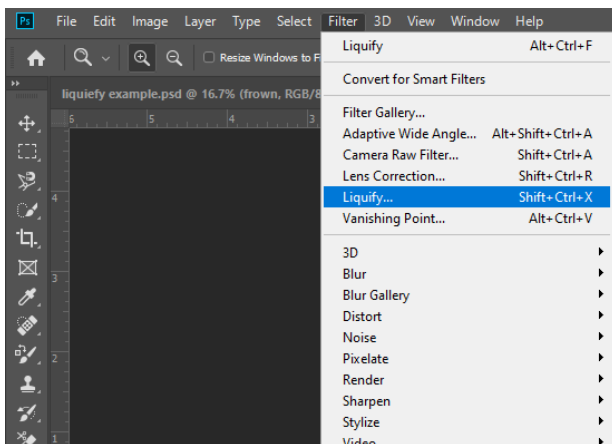
# How to Apply Liquify as a smart filter

- First duplicate your image.
  - Right click on the layer
  - Select: Duplicate Layer...
  - Click: OK
- Then convert the new layer to a smart object
  - Right click on the new layer
  - Select: Convert to Smart Object
  -  The layer will have this image over it, when it is a smart object.



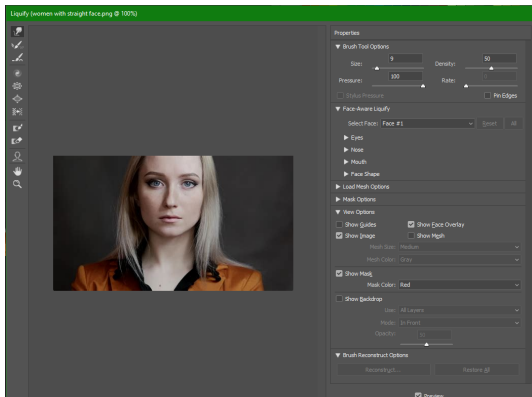
# How to open the Liquify Filter

- In the top menu bar, click: Filter
  - Select: Liquify...
- Or hold down the following keys at the same time:
  - Shift + Ctrl + X



# How to use the Liquify Filter

- This is the Liquify Dialog Box
- The left side contain manual tools for manipulating images.
- The right side contains Panels for various tasks
  - The most important Panel for us will be the Brush Tool Options and the Face-Aware Liquify



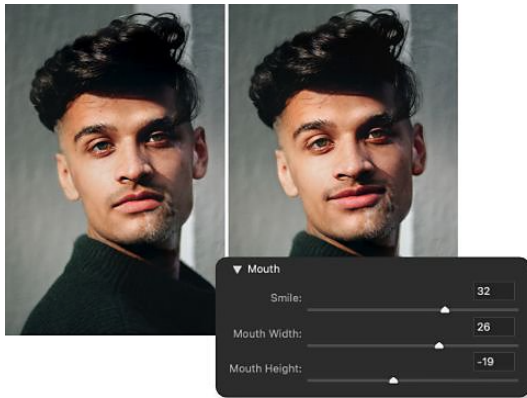
# Bloat Tool Example



# Pucker Tool Example



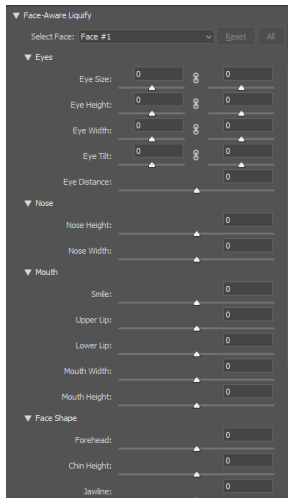
# Change face shape and expressions





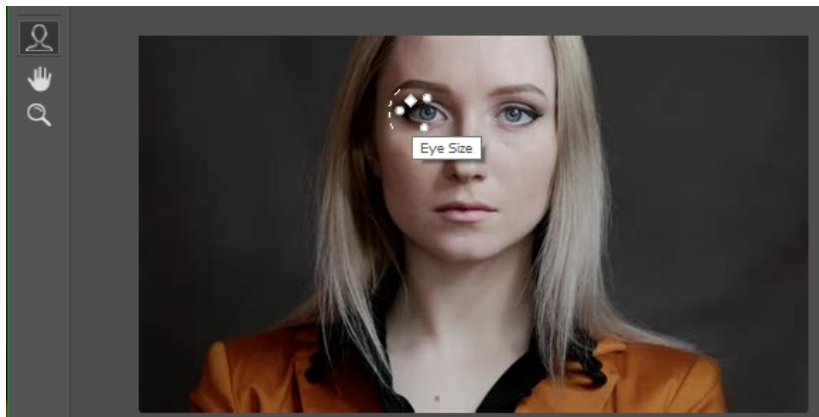
# Face-Aware Liquify

- Allows you to select individual faces and automatically adjust their features.



# Face Tool

- Allows you to make the adjustments in the face-aware liquify panel on the fly, with your mouse.



# Distortion Tools

- The Liquify menu includes several distortion tools that push and pull pixels as if they were water.
  - While Liquify is technically a filter, you can use it as if it were a brush to make changes.
  - Each of these tools has fully customizable tool options to control factors like brush size or brush density.
- Forward Warp tool -
  - Push pixels out of the way as you drag this tool, like running a finger through a pool of liquid.
- Bloat tool -
  - Move pixels away from the center of the brush area, like a bubble emerging from water.
  - Hold down the mouse button to intensify the effect.
- Pucker tool -
  - Push pixels toward the center of the brush area, like water getting sucked into a drain.
  - Hold down the mouse button to intensify the effect.

# Distortion Tools

- Twirl Clockwise tool -
  - Create swirls and eddies of pixels, like tiny whirlpools or forkfuls of spaghetti.
  - Twirls are clockwise by default, with counterclockwise an alternative option.
- Push Left tool -
  - Push pixels left (or right, if you're using the alternative option) like a miniature bulldozer moving piles of earth.
- Reconstruct tool -
  - This tool reverses distortions you've added, calming the waters and restoring the original image beneath your changes.

# Additional Resources for the Liquify Filter

- Use the Liquify filter
  - By: Adobe
  - <https://helpx.adobe.com/photoshop/using/liquify-filter.html>
- How to Use the Liquify Tool in Photoshop — Day 12
  - PHLEARN
  - <https://youtu.be/9DLumkDFngk>