# GIMP CHEATSHEET



**Tech Topics** 

April 28, 2016 @ ReCity

# **Digital Imaging with GIMP**

Instructions based on GNU Image Manipulation Program version 2.8 GIMP can be downloaded for free for any computer system from www.gimp.org

# GOALSFORTHEDAY:

- Become familiar with the GIMP interface, windows, and tools
- Learn how to change the brightness, contrast, and color of an image
- Learn how to tune layer opacity, making layers partially transparent
- Work with alpha channels and masking to make digital collages

## KEY TERMS:

resolution - a measure of the quality of a digital image. The more pixels a an image has, the higher-quality the image will appear when you zoom out from the grid.

**opacity** - how transparent / see-through vs. how opaque an image is.

mask - a mask is a shape or form that you apply to an image to allow you to hide some parts of the image, and show others



# **ZOOM & PAN**

To begin, you must first open an image file. When working with images, it is important to understand the quality or resolution of an image.

#### **MORE PIXELS**

### **LESS PIXELS**





- Go to **File>Open** and navigate to to your image
- At the top of the window you will see the **pixel count**
- Zoom and Pan using Ctrl + the middle mouse wheel
- Go to File>Close View when you are done



ZOOM



DOCUMENT WINDOW

Move Tool (M)

Text Tool (T))

Crop Tool (Shift + C)

Bucket Fill Tool (Shift + B)

Paint Tools Paintbrush Pencil Tool Airbrush Α



Use for complicated selections. You can adjust the parameters in the tool options box while it's selected

Click and hold to move a layer around

Allows you to create and modify text

Drag and Resize image as needed,

Fills an area of the image with

then hit Enter. Parameters can be set

Different tools used for painting pixels

or masks. Change burshes in the tool

as a separate layer

in tool options box

Foreground Color

options box



Selection Tools Rectangle R Ε Ellipse Free Select



If you simply need to resize an image, you can go to Image>Scale Image

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# COMMON IMAGE ADJUSTMENTS

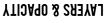
something smaller! the wrong way. Maybe you want to flip it around or crop it to Maybe an image is too dark, the color is weird, or it is rotated

To change the color, go to Color> and

 To change the value, go to Color> and Or Colorize choose Hue-Saturation, Color Balance,

- Use the Rotate, Flip, or Crop tools to make or **Curves** choose Brightness-Contrast, Levels,
- To export, go to File>Export As and choose other adjustments
- your preferred format (.jpg, .png, .gif, etc.)

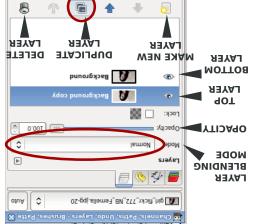
product that others can view! different than exporting the finished Saving a GIMP project file (.xcf) is very



so that any layers underneath it can show through! If a layer has an alpha channel, parts of it can be transparent work with several images at once, often referred to as layers. The power of digital imaging software lies in the ability to

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 Reduce the Opacity of the top work with. and choose one or more files to

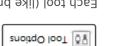
- below it layer to be able to see the layer
- below it blend the top layer with the layer Use the Mode pulldown menu to
- to 'cut' away parts of it Add Alpha Channel to be able Right-click on a layer and choose

**BERASER** 

You can move layers up and down by clicking and dragging them

### is as simple as selecting your color then selecting your brush. some tools to make very precise modifications. Painting pixels You may find that you want to draw on your project or use **USING BRUSHES & SELECTING COLORS**

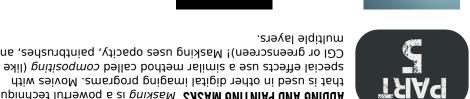
- each of them. Click inside the FG or BG color to change
- specific pixel Use the color picker to match a color to a
- Use the Pencil, Paintbrush, or Airbrush to
- (default) by clicking on the smaller boxes in • Reset the FG/BG colors to black and white
- the corner



paint over pixels.

Try them out! a number of **Tool Options**. Each tool (like brushes!) has

that is used in other digital imaging programs. Movies with ADDING AND PAINTING MASKing is a powerful technique



COTOR

COLORS

HOTIWE

COTOR

FOREGROUND

P PICKER

ВАСКЕВОИИР

COLORS

\* BRUSHES

RESET





- Your layer now has **two parts**: the image and the mask. Right-click a layer choose Add Layer Mask. Pick white (full opacity)
- switch back and forth between colors! Paint the mask with Black or White pixels to change it. Press 'X' to quickly
- layer again. see how it works. Uncheck the Show Layer Mask part to see the original Right-click the layer and check the part that says Show Layer Mask to
- make sure the image (not the mask) is selected! To move or change the layer and mask together,

