

# "GIMP" IN "WINDOWS.."

by Francis Chao  
fchao2@yahoo.com



Web location for this  
presentation:

<http://aztcs.org>

Then click on  
"Meeting Notes"

# SUMMARY

"GIMP" is a free photo editing app for a "Windows.." computer.

"GIMP" is the most feature-rich and most complex of the photo editing apps that are free.

# TOPICS

- Evaluation of "GIMP" in "Windows 10"
- Installing "GIMP"
- "UFRAW" Converter/Add-On for Opening Some RAW Photo Files
- Steps for Using "GIMP"

TWO-PAGE  
REPORT CARD  
FOR  
"GIMP"  
IN "WINDOWS..":

|  |                 |
|--|-----------------|
| Can import .JPG files into a photo project   | Yes             |
| Can import .PNG files into a photo project   | Yes             |
| Can import .TIF files into a photo project   | Yes             |
| Can import .BMP files into a photo project   | Yes             |
| Can import the Canon RAW files from <a href="https://raw.pixls.us/">https://raw.pixls.us/</a> into a photo project | No              |
| Can import the Nikon RAW files from <a href="https://raw.pixls.us/">https://raw.pixls.us/</a> into a photo project | Yes with UFRRAW |
| Can import the Sony RAW files from <a href="https://raw.pixls.us/">https://raw.pixls.us/</a> into a photo project  | Yes with UFRRAW |

# "GIMP" in "Windows.." Page 2 of 2

|  |     |
|--|-----|
| Can tilt a photo project either 90 or 180 or 270 degrees                         | Yes |
| Can tilt a photo project a specific number of degrees from 0 to 359 degrees      | Yes |
| Can adjust the brightness of a photo project                                     | Yes |
| "Gamma" adjustment of the input-output brightness "x-y" curve of a photo project | Yes |
| Can adjust the contrast of a photo project                                       | Yes |
| Can perform a rectangular crop on a photo project                                | Yes |
| Spot Removal and Red Eye Removal   | Yes |

# INSTALLING THE FREE "GIMP" INTO A "WINDOWS.." COMPUTER

- "GIMP" is an acronym that stands for "GNU Image Manipulation Program"
- Start a Web browser.
- Go to <https://www.gimp.org/>
- Click on the "Download.." button
- Etc.



# "UFRAW" CONVERTER/ADD-ON

- The "UFRAW" converter/add-on is a separate app that can convert some RAW photo files into a format that "GIMP" can open
- UFRAW is available for free at <http://ufraw.sourceforge.net/Install.html#MS>

# "UFRAW" CONVERTER/ADD-ON (continued)

- The free "UFRaw" converter/add-on is unable to convert Canon RAW files into a format that GIMP could handle.
- The free UFRaw converter/add on is able to convert Nikon and Sony RAW files into a format that GIMP could handle.

# STEPS

- To rotate in 90-degree increments:  
Image, Transform,  
Rotate 90 degrees clockwise  
or  
Rotate 90 degrees counter-clockwise
- To rotate in 1-degree increments:  
Image, Transform, Arbitrary Rotation..

# STEPS (continued)

- To crop a photo:  
Tools,  
Transform Tools,  
Crop,  
use left mouse key to drag over the  
desired rectangular section,  
click inside the rectangular section or  
press the "Enter" key to crop

# STEPS (continued)

- To adjust brightness:  
Colors, Brightness-Contrast, Brightness slider
- To adjust contrast:  
Colors, Brightness-Contrast, Contrast slider

# STEPS (continued)

- Red eye removal:  
View, Zoom, Zoom In, + + + etc.  
(previous step is optional)  
Select the area around the red eye  
(previous step is optional)  
Filters  
Enhance  
Red Eye Removal..

# STEPS (continued)

- To get the best results, you can fine tune the "Red Eye Removal" filter in GIMP as described at <https://zypath.com/how-to-get-it-done/gimp-beginner-red-eye-removal/>

# STEPS (continue)

- To ways to adjust "gamma":  
METHOD ONE:  
Colors,  
Levels,  
Then, to change the "gamma", value  
change the following number:



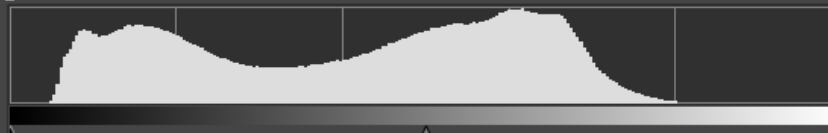
# Adjust Color Levels

michael-dziedzic-si06cFB0g1s-unsplash.jpg-...

Presets:  +

Channel: Value  Reset Channel

## Input Levels



0  Clamp input 1.00  255

## Output Levels

0  Clamp output 255

## All Channels

Auto Input Levels

Edit these Settings as Curves

× Preview  Split view

Help Reset OK Cancel

Levels



## Adjust Color Levels

michael-dziedzic-si06cFB0g1s-unsplash.jpg-...

Presets:  +

Channel: Value  Reset Channel

### Input Levels



0  Clamp input 1.00  255

### Output Levels

0  Clamp output 255

### All Channels

Auto Input Levels

Edit these Settings as Curves

Preview  Split view

Help Reset OK Cancel

# STEPS (continue)

- Reference for the previous two images:

<https://medium.com/@miha.kadunc/in-gimp-gamma-adjustment-is-done-within-the-colors-levels-dialog-the-middle-box-under-the-87ecfe4e9db0>

# STEPS (continue)

- According to the reference in the previous slide:
- <Start of quote:>  
In GIMP, gamma adjustment is done within the “Colors”/”Levels...” dialog — the middle box under the “Input Levels” histogram is the gamma value (unfortunately placed right next to the “Clamp input” checkbox).  
<End of quote:>

# STEPS (continued)

- METHOD TWO TO ADJUST GAMMA:  
To manually adjust the (RGB)  
Input-Output brightness curve for a  
digital photo:  
Colors, Curves,  
make sure that Channel is defaulted  
or set to "Value":  
adjust for a sag, hump, or S-type  
input-output curve  
GAMMA adjustment is overall bend  
of the curve

# STEPS (continued)

- To remove a spot such as a facial blemish in GIMP:  
Tools, Paint Tools, Heal, etc.
- See <https://docs.gimp.org/en/gimp-tool-heal.html>