

Digitizing Your Family History Collections

Basic Image Editing with Xnview

THE BRUE FAMILY LEARNING CENTER



American Ancestors®
by NEW ENGLAND HISTORIC GENEALOGICAL SOCIETY

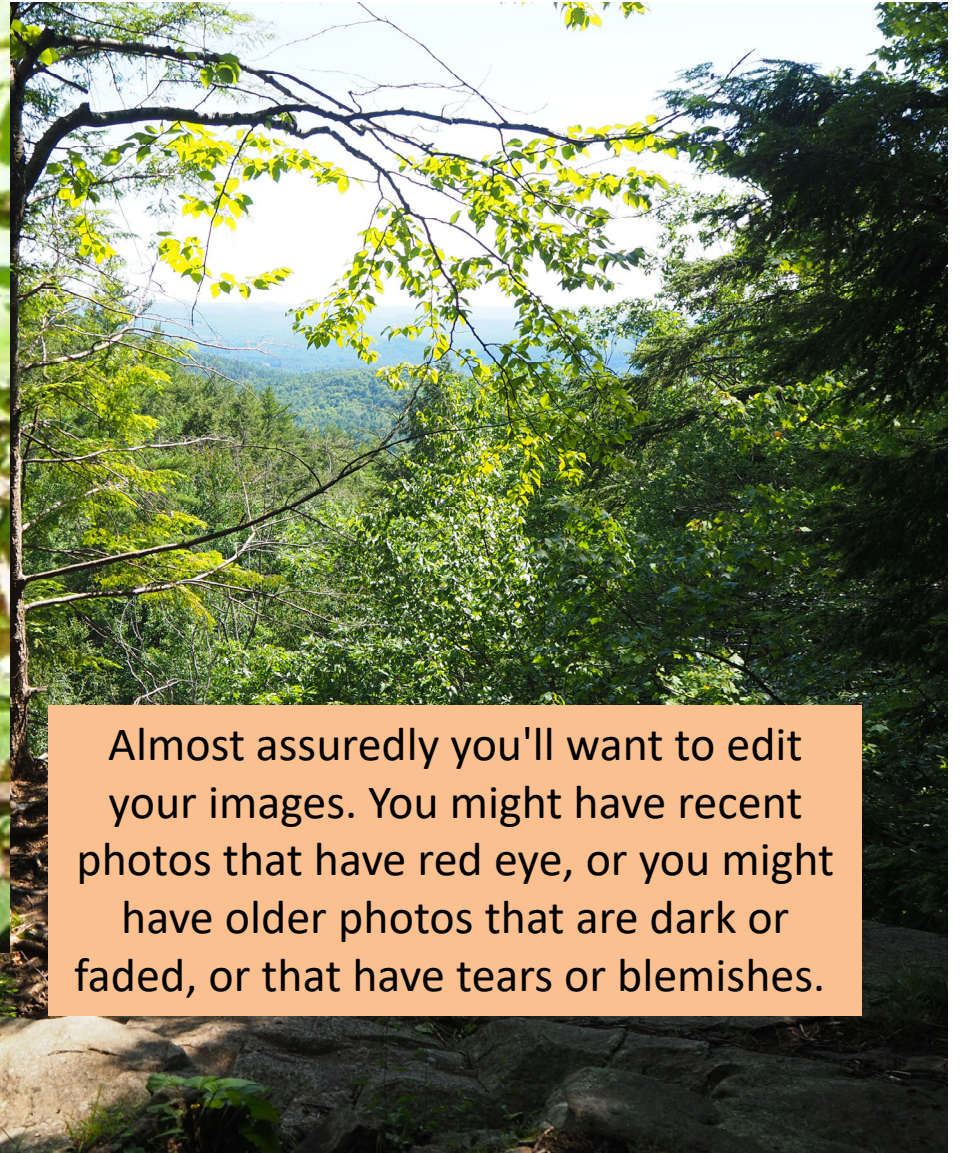
Meet today's presenter



Rachel Adams
Database Services Volunteer Coordinator



Voice of
Rachel Adams
Database Services
Volunteer Coordinator



Almost assuredly you'll want to edit your images. You might have recent photos that have red eye, or you might have older photos that are dark or faded, or that have tears or blemishes.

Retouching and Repairs



Before



After

Considerations for Choosing an Image Editor

- Size
- Resolution
- Cropping
- Straightening
- Contrast
- Tone, color
- Brightness
- Red eye
- Retouching/repairs
- Text and graphics
- Effects

	Cost	Resizing	Resolution	Adjustments	Red Eye/Repairs	Text & Effects	Comments
Adobe Photoshop	\$\$\$	✓	✓	✓	✓	✓	Best of the best; can be overwhelming
Adobe Photoshop Elements	\$\$	✓	✓	✓	✓	✓	Photoshop for nonprofessionals; bundled with some scanners
Corel PaintShop Pro	\$\$	✓	✓	✓	✓	✓	PC only; functionality of Photoshop at a lower price
ACDSee	\$\$	✓	✓	✓	✓	✓	Lower cost; not as robust as Photoshop or Elements
GIMP (GNU Image Manipulation Program)	free	✓	✓	✓	✓	✓	Open source (PC, Mac, and Linux); interface can be confusing
Paint.NET	free	✓	✓	✓	✓	✓	PC only; more robust than Microsoft Paint

	Cost	Resizing	Resolution	Adjustments	Red Eye/Repairs	Text & Effects	Comments
Apple Photos	free	✓		✓	✓	✓	Mac only; limited options with built-in tools
PhotoScapeX	free	✓	✓	✓	✓	✓	Mac and Windows 10; More robust than Photos
Google Photos	free	✓		✓		✓	More of a photo organizer; limited editing capabilities
Affinity Photo	\$\$	✓	✓	✓	✓	✓	Mac and PC; functionality of Photoshop at a lower price
Skylum Luminar	\$\$	✓	✓	✓	✓		Mac and PC; functionality of Photoshop and Lightroom at a lower price
XnView MP	free	✓	✓	✓		✓	Mac and PC; image organizer with basic editing tools

- For reviews, see cnet.com or PCMag.com

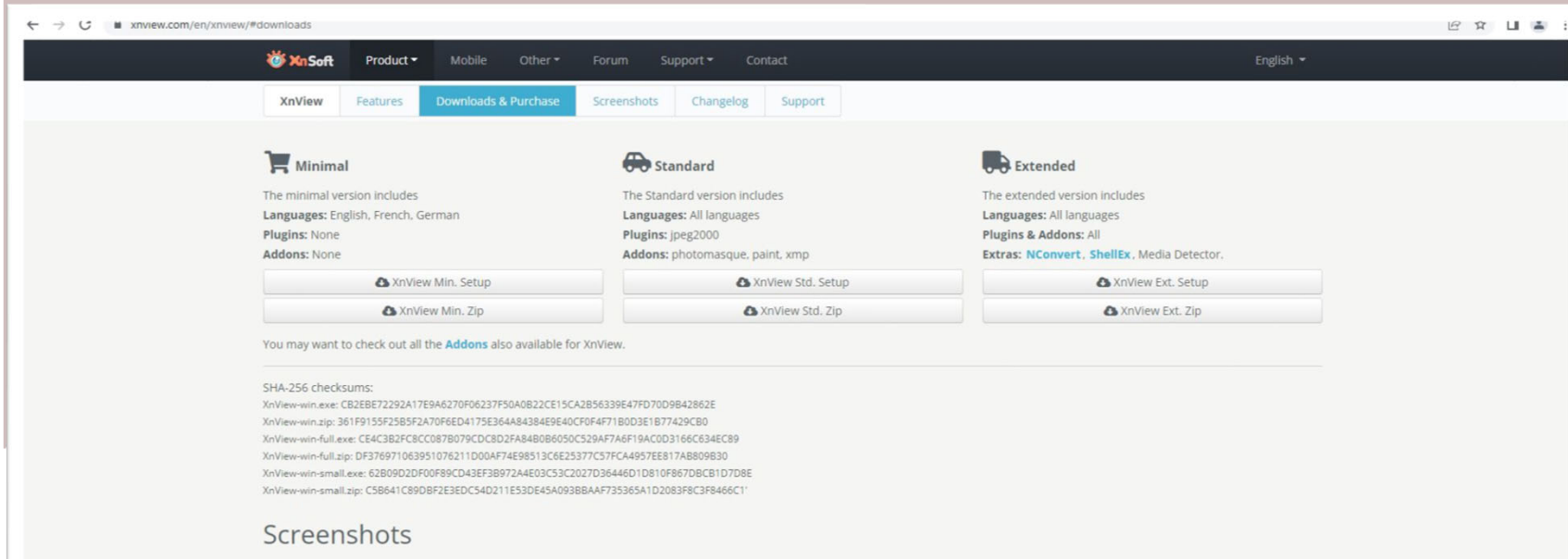
What is Xnview?

Xnview

- Open Source and Free (Linux, Windows, Mac)
- Simple Editing Tool or More in-depth Photo Editing
- Browsing Folders
- Viewing Options
- Converting Files into Different Formants
- Batch Editing

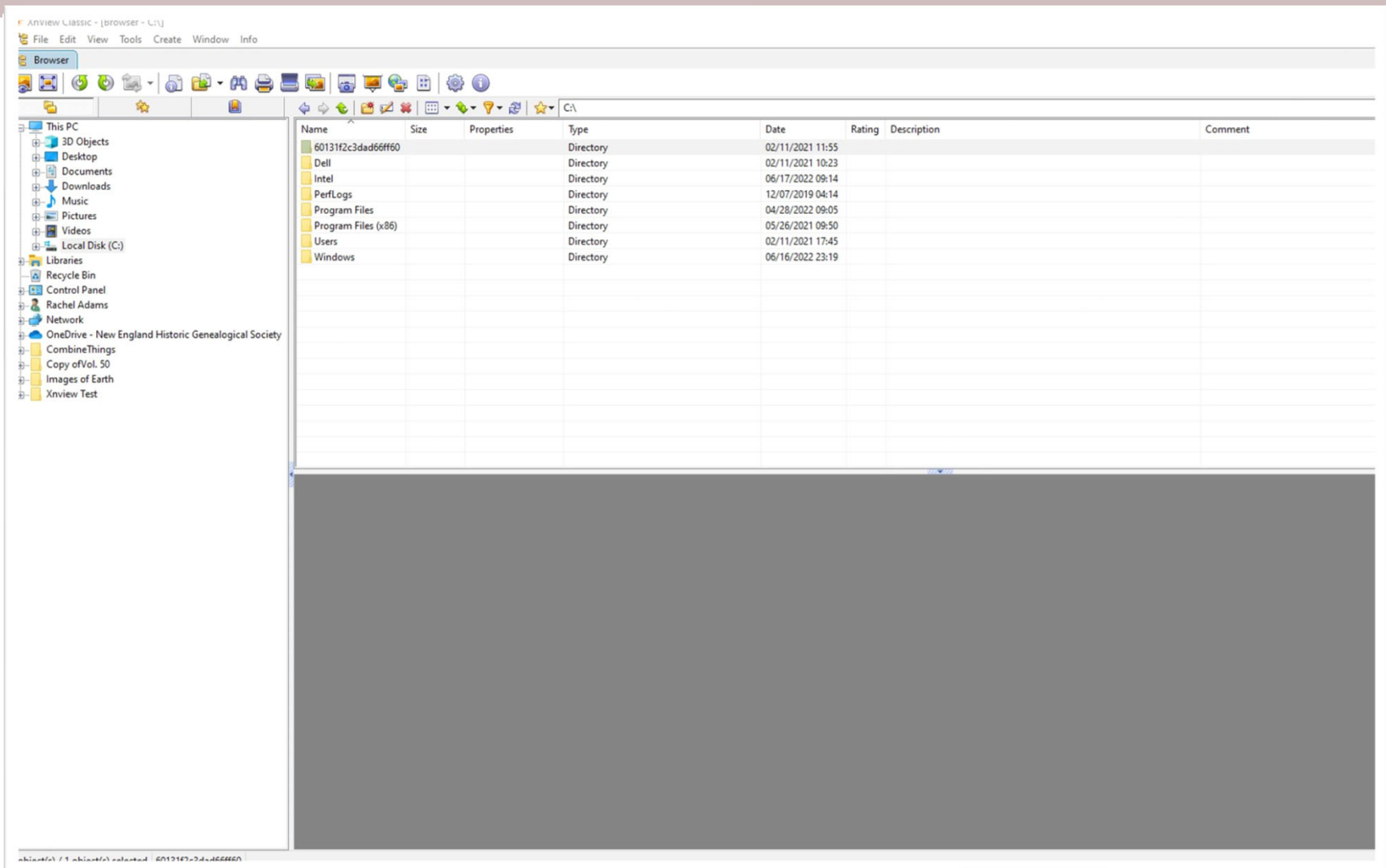
Where to Download Xnview

- <https://www.xnview.com/en/>
 - <https://www.xnview.com/en/xnview/>
 - (This takes you to the download page for the classic version. Scroll down the page to the download section)



Home Page and Menu Options

What the Home Screen Looks Like



Where to Look

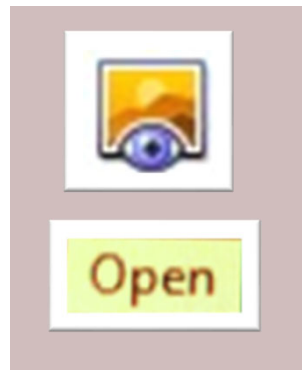
1) File Directory

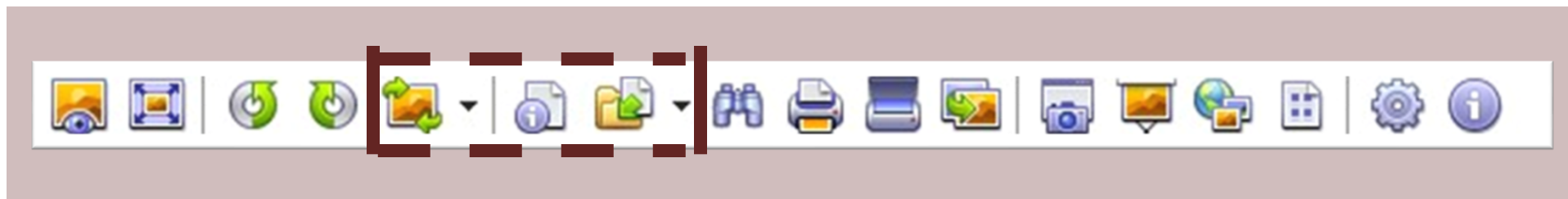
2) Files and Folders

3) Image Viewing Area

When you place your mouse in this in-between space between the columns. You will get a two-sided arrow. This gives you the ability to enlarge or shrink the column space. To do this click and drag your mouse to the left/right or up/down depending on where these columns are placed.

Name	Size	Properties	Type	Date	Rating	Description	Comment
60131f2c3dad66ff60			Directory	02/11/2021 11:55			
Dell			Directory	02/11/2021 10:23			
Intel			Directory	06/17/2022 09:14			
PerfLogs			Directory	12/07/2019 04:14			
Program Files			Directory	04/28/2022 09:05			
Program Files (x86)			Directory	05/26/2021 09:50			
Users			Directory	02/11/2021 17:45			
Windows			Directory	06/16/2022 23:19			





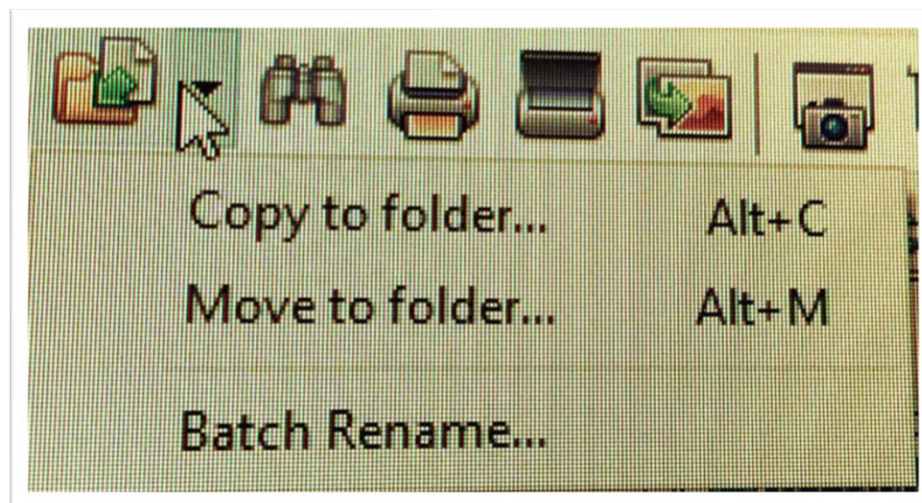
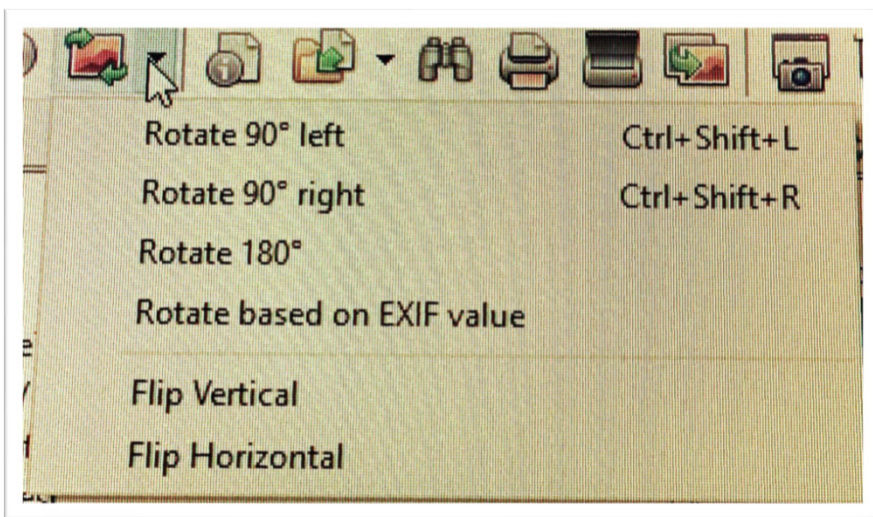
JPEG lossless transformations



Properties



File operations





Where to Look

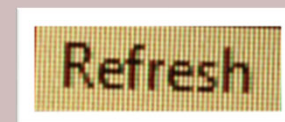
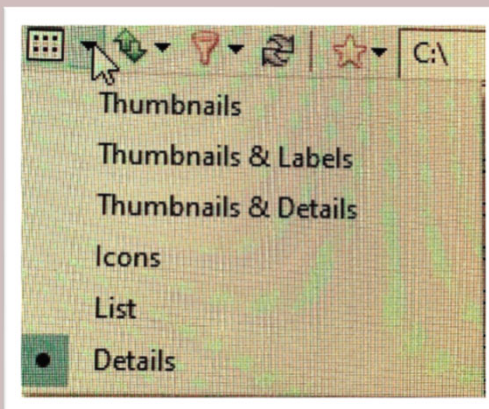
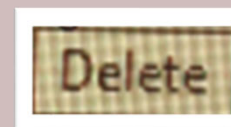
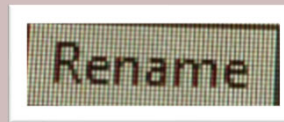
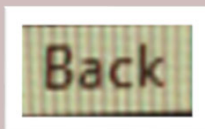
1) File Directory

2) Files and Folders

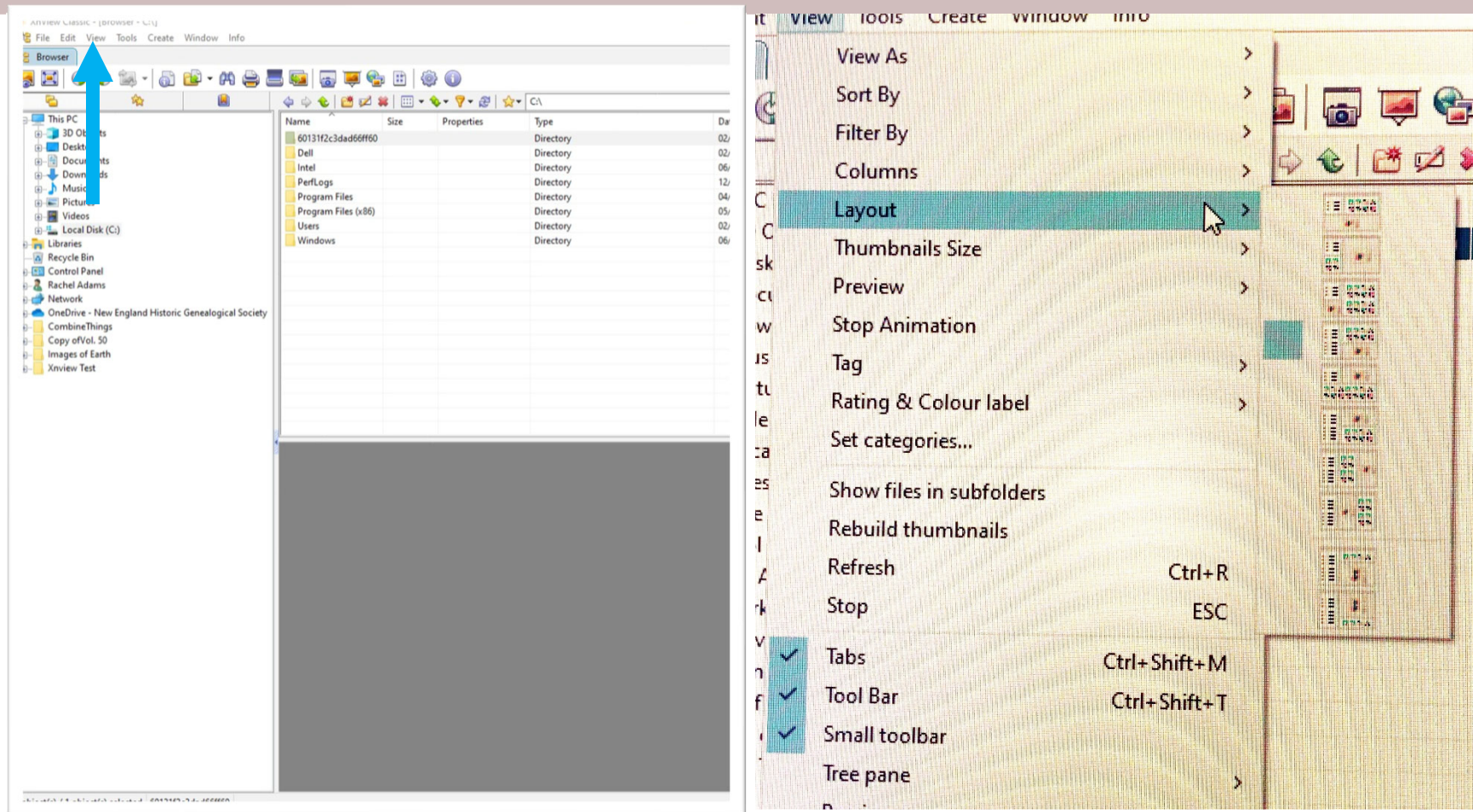
3) Image Viewing Area

When you place your mouse in this in-between space between the columns. You will get a two-sided arrow. This gives you the ability to enlarge or shrink the column space. To do this click and drag your mouse to the left/right or up/down depending on where these columns are placed.

Name	Size	Properties	Type	Date	Rating	Description	Comment
60131f2c3dad66ff60			Directory	02/11/2021 11:55			
Dell			Directory	02/11/2021 10:23			
Intel			Directory	06/17/2022 09:14			
PerfLogs			Directory	12/07/2019 04:14			
Program Files			Directory	04/28/2022 09:05			
Program Files (x86)			Directory	05/26/2021 09:50			
Users			Directory	02/11/2021 17:45			
Windows			Directory	06/16/2022 23:19			

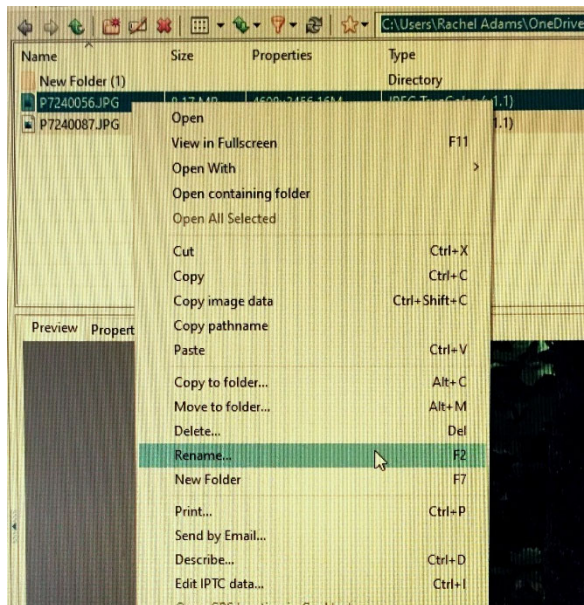


Changing The Layout

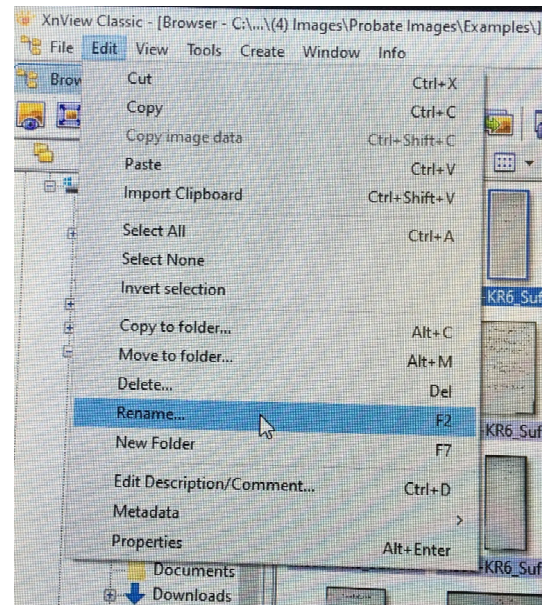


Renaming Files

1) Click on a single image or multiple images that you want to rename. With your mouse right click for the menu. Then click on rename.



2) Click on edit, then rename.



3) Click on F2. This will bring up the rename window.

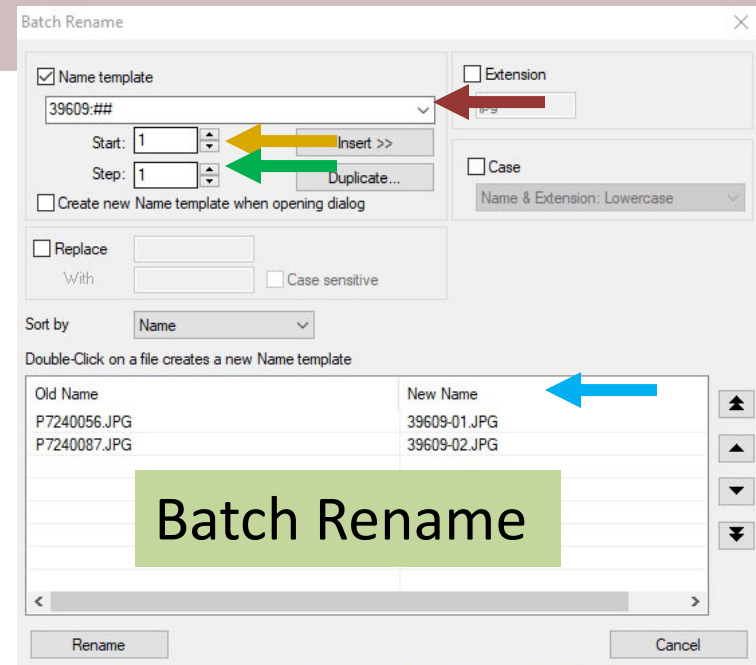


Rename Windows

Single File Rename

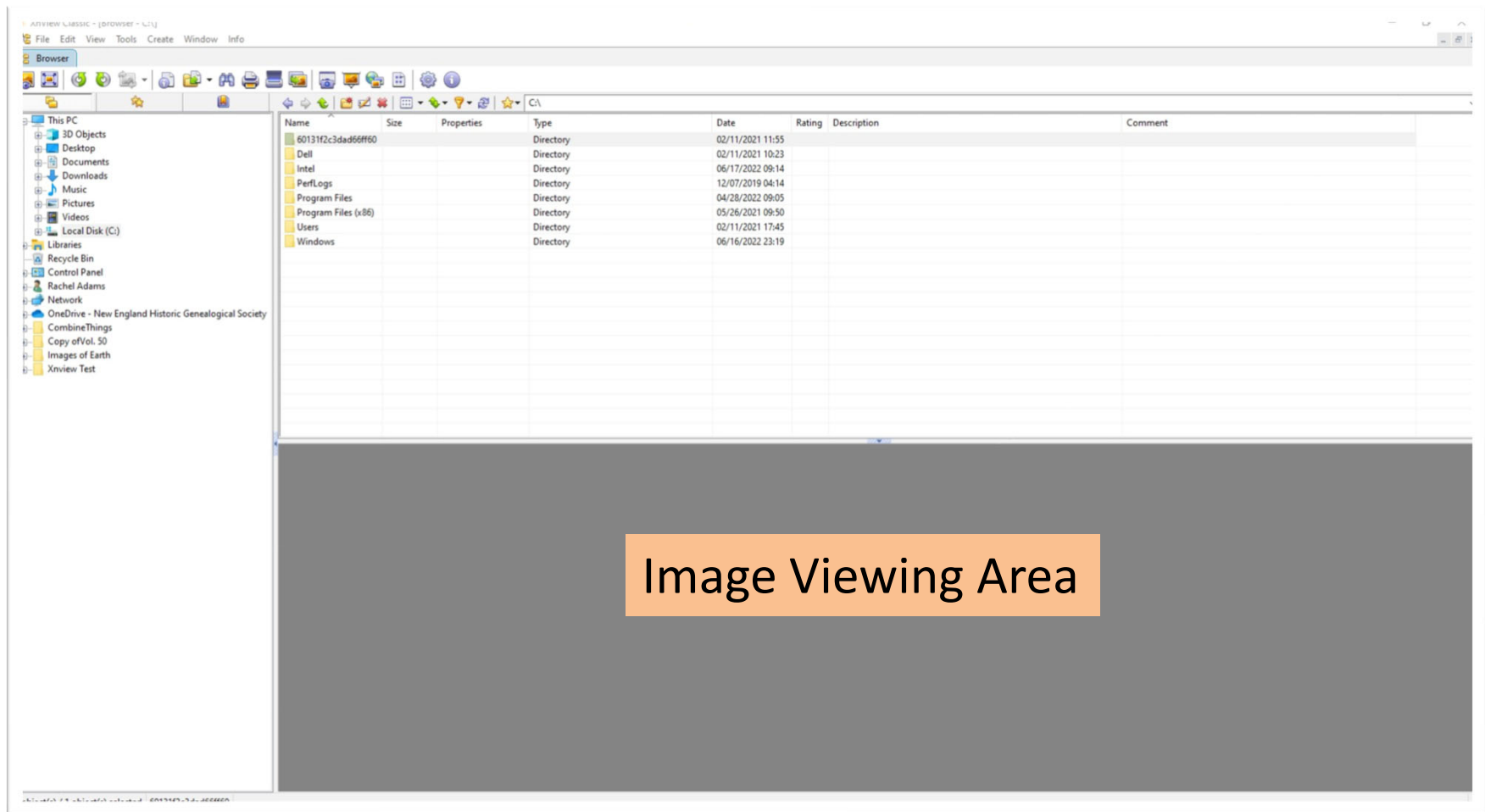


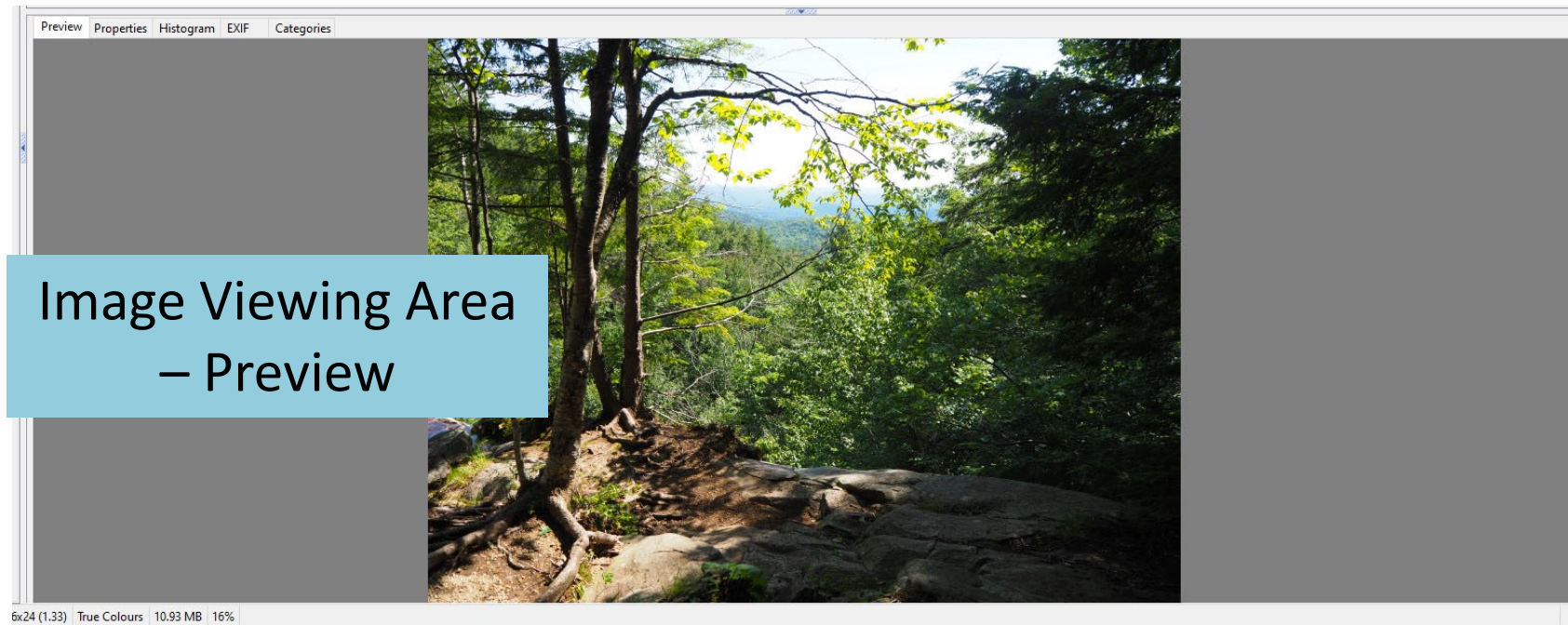
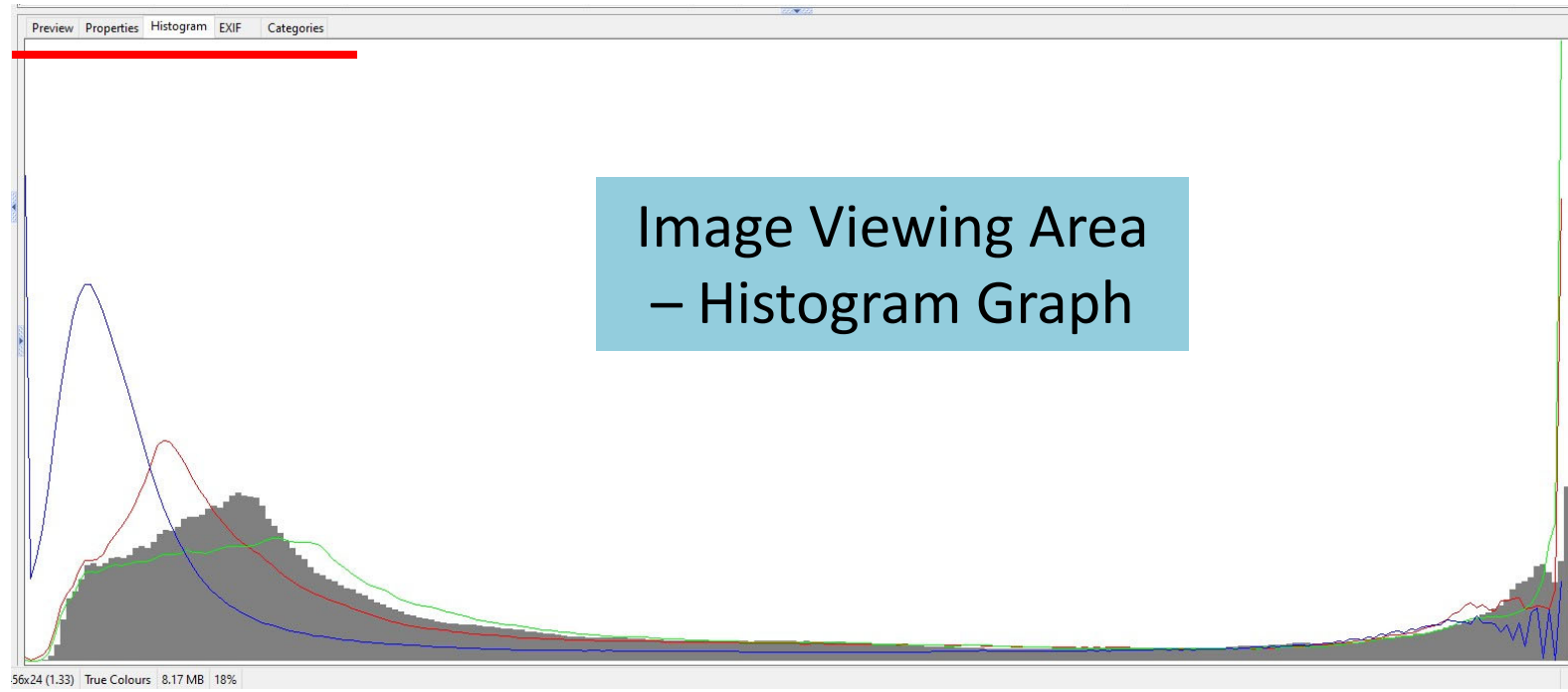
If you select a single image to rename. Then this window will pop up. And you can type in the name you would like to rename it.



If you select multiple images to rename. Then this window will pop up. Which gives you the ability to batch rename. In this window the Name Template box has 39609-## in it. Each file will have the number 39609 as its name. And the ## are space holders for the sequential file numbers.

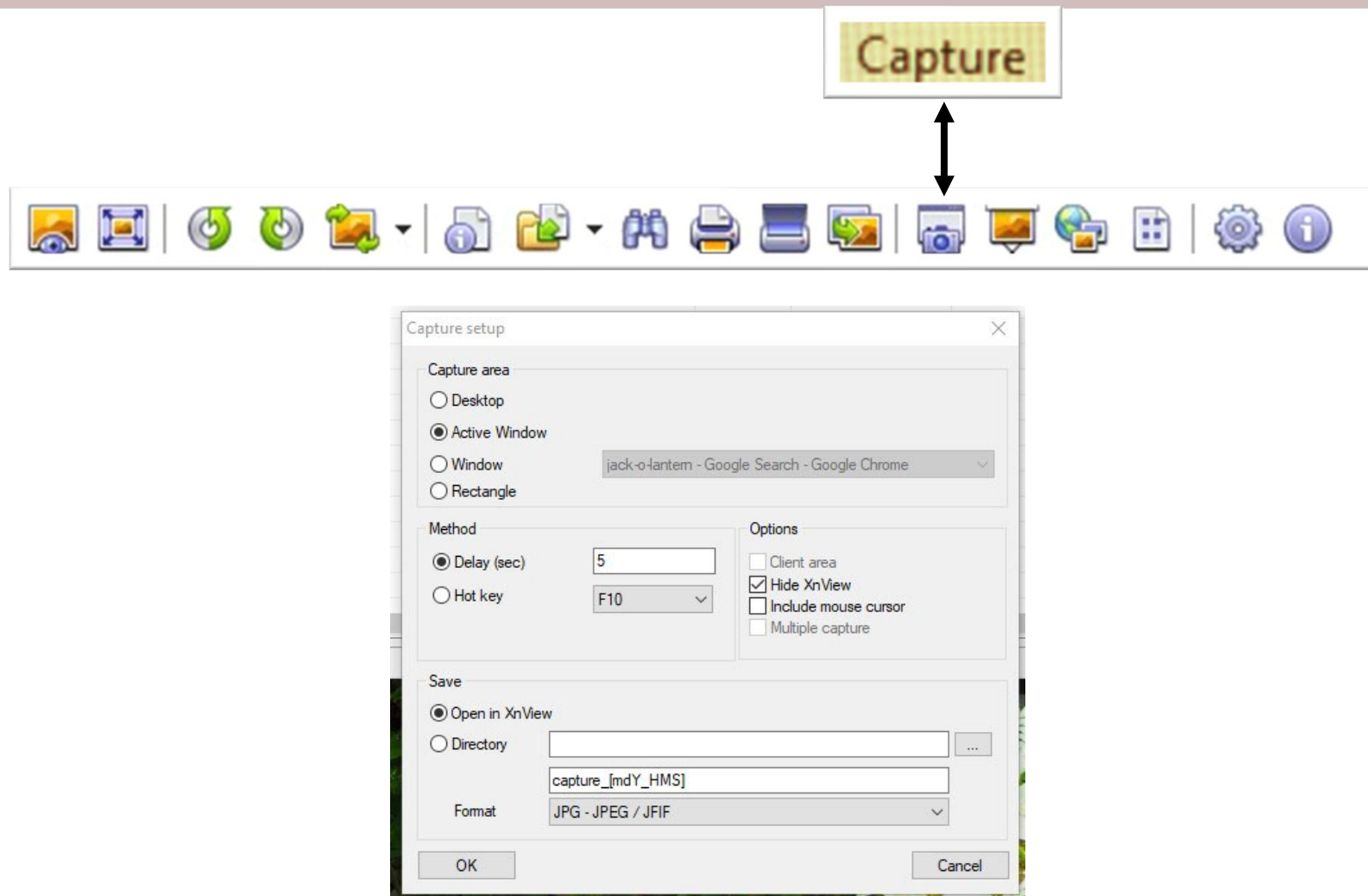
Image Viewing Area

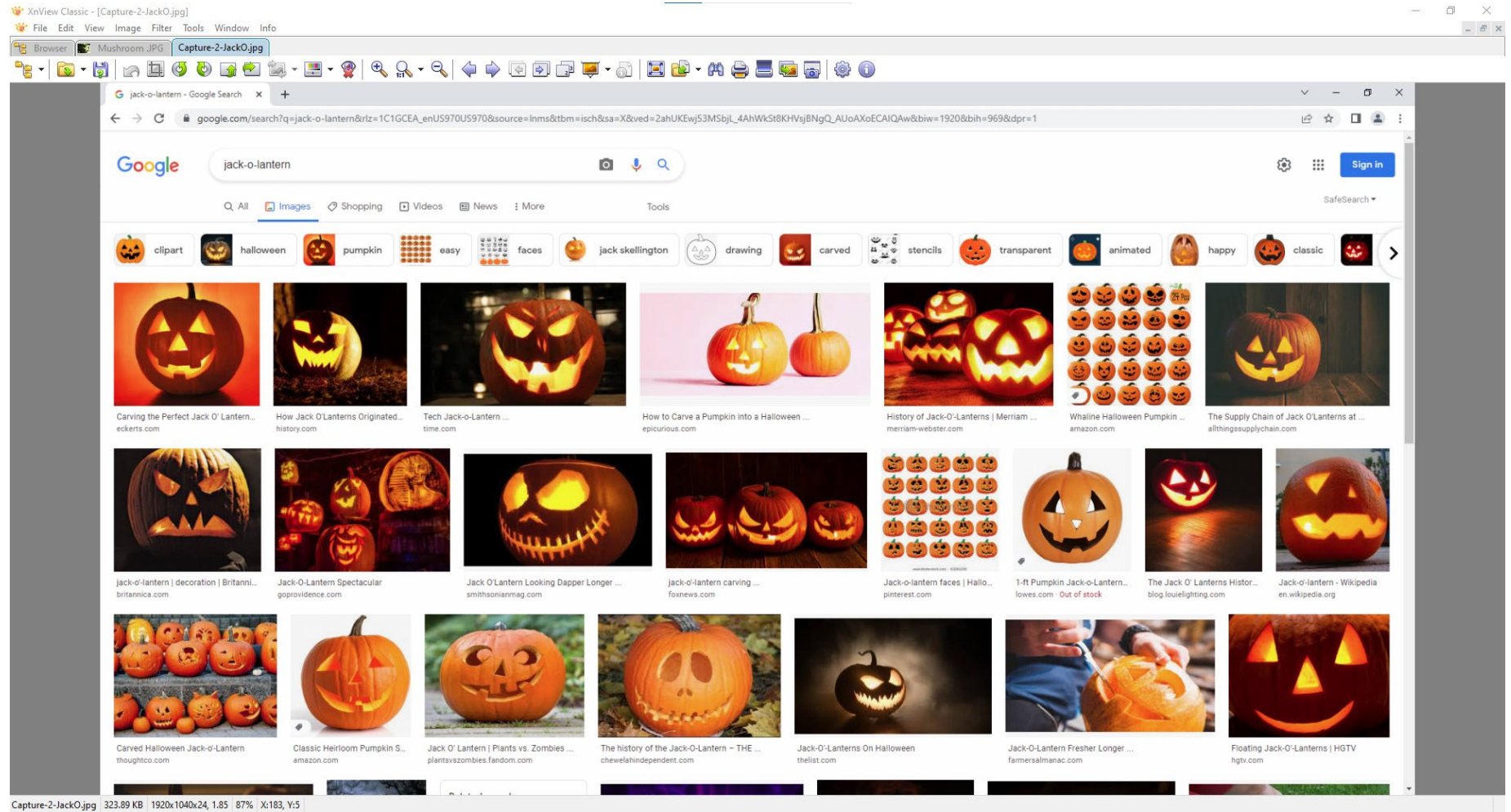


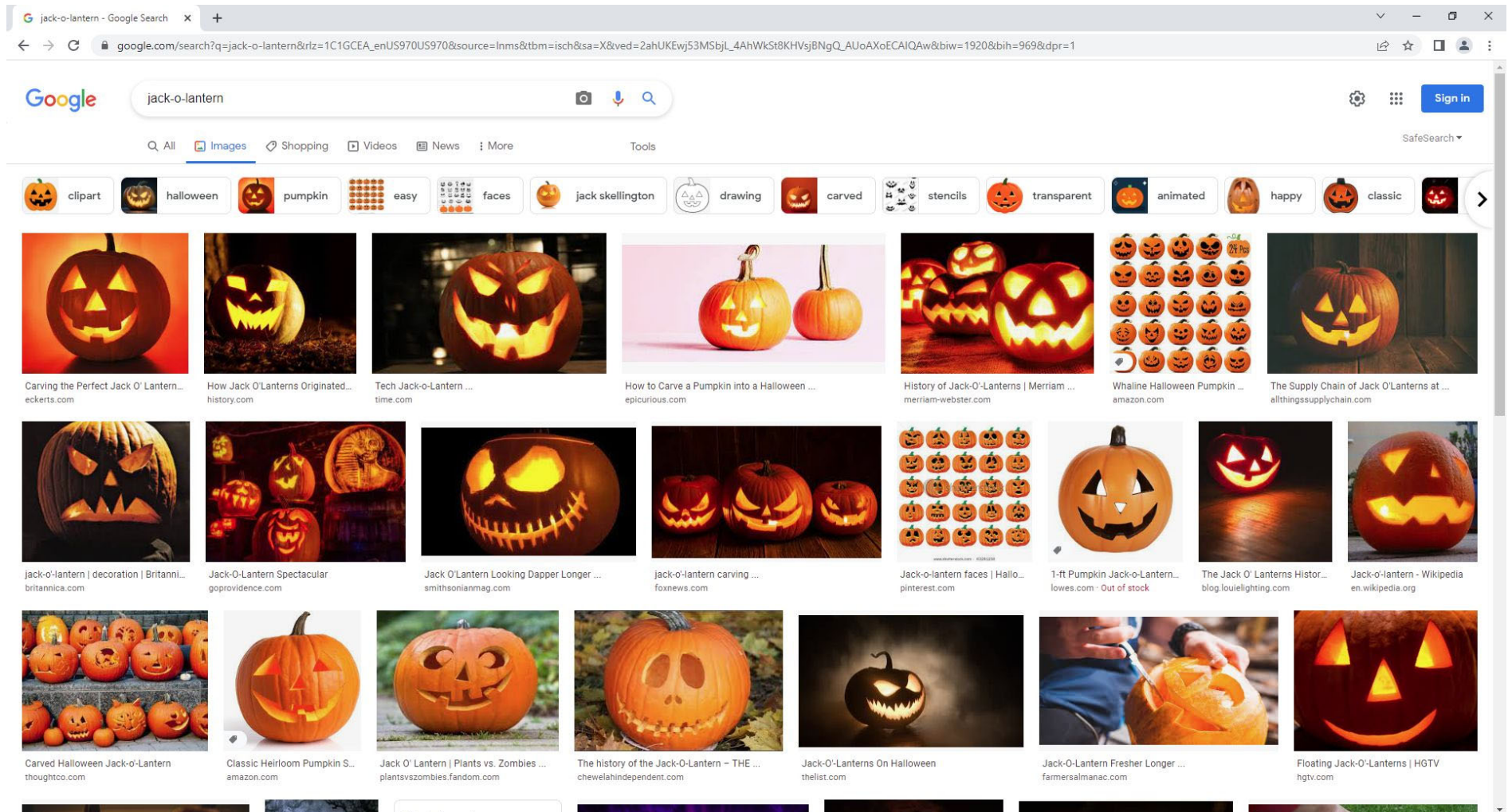


Screen Shot with Xnview

How to take a Screen Shot with Xnview







Files

Here Are My Image Files

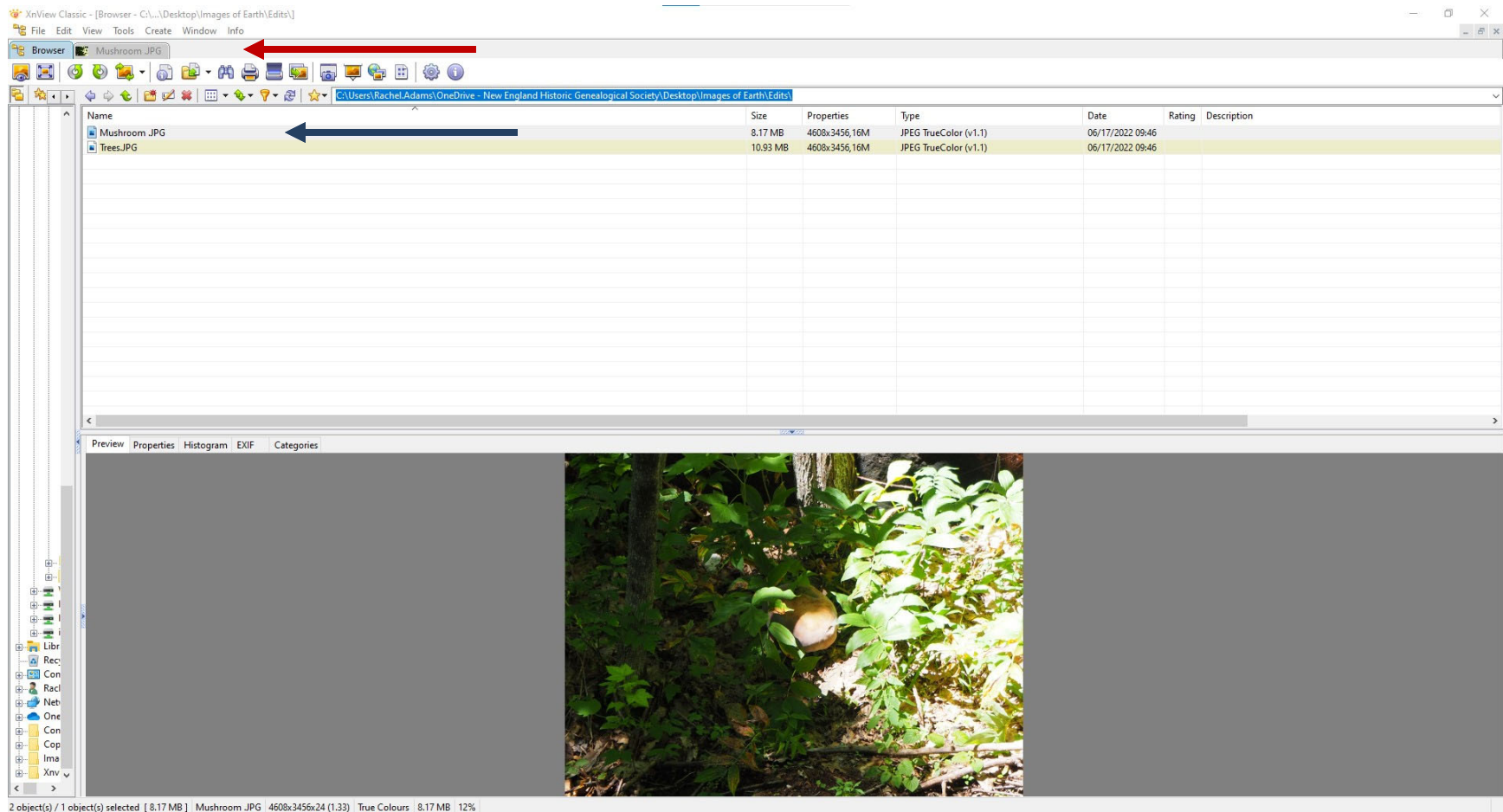
Name	Size	Properties	Type	Date	Rating	Description
Edits			Directory	06/17/2022 14:13		
JPG			Directory	06/17/2022 14:13		
Original			Directory	06/17/2022 14:12		
Mushroom.JPG	8.17 MB	4608x3456,16M	JPEG TrueColor (v1.1)	06/17/2022 09:46		
Trees.JPG	10.93 MB	4608x3456,16M	JPEG TrueColor (v1.1)	06/17/2022 09:46		

- 1) Renamed my images
- 2) Created three folders and have named them
- 3) I created the Original folder because you always want to keep an original copy of any digital image.
- 4) I created a folder called edit. This folder will hold the copy of the image that will be edited.
- 5) I created a folder called JPEG. If your image file is RAW or TIFF you will want a JPEG copy after editing. JPEG's are a smaller file format.

Tip

Remember to Save
Multiple copies of the
same image file.

Open the Image 1



Open the Image 2

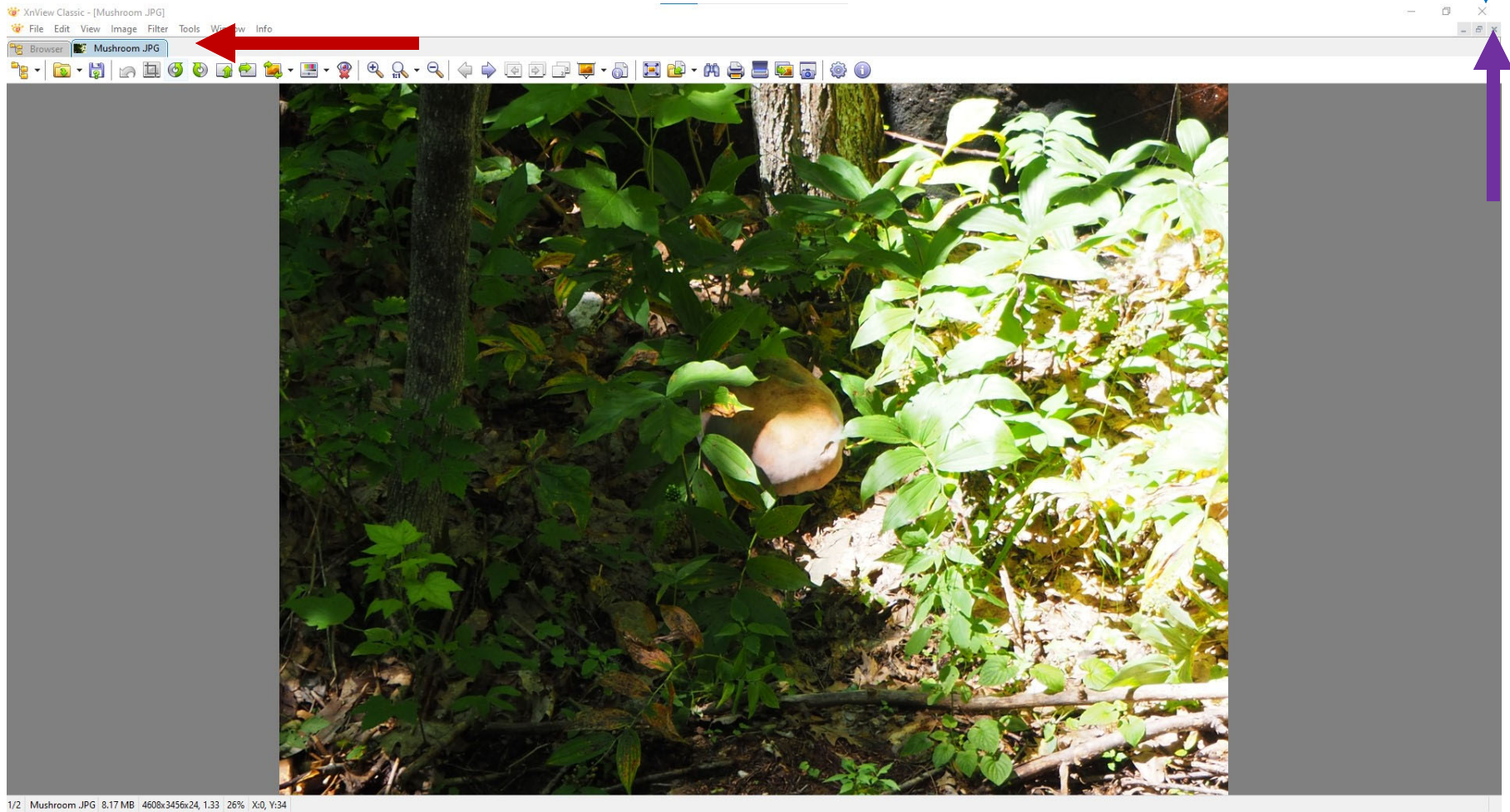
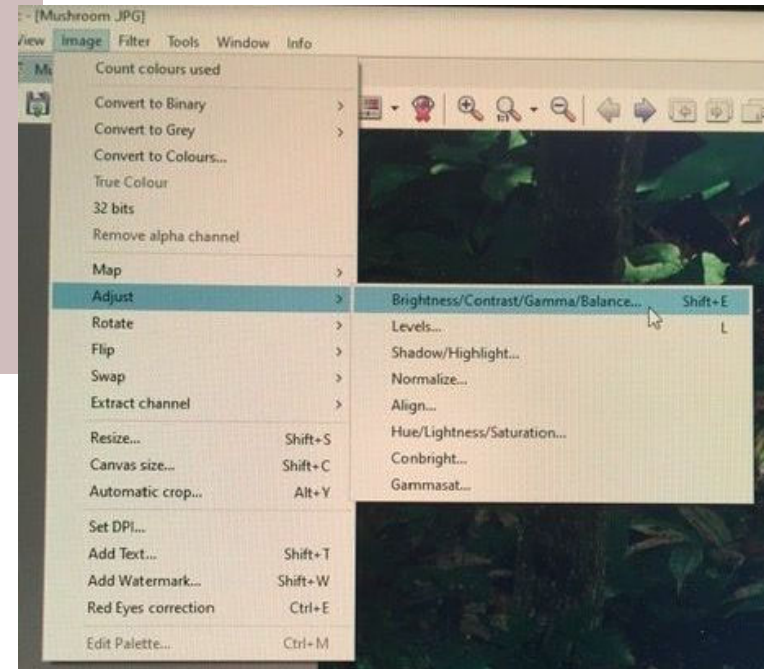
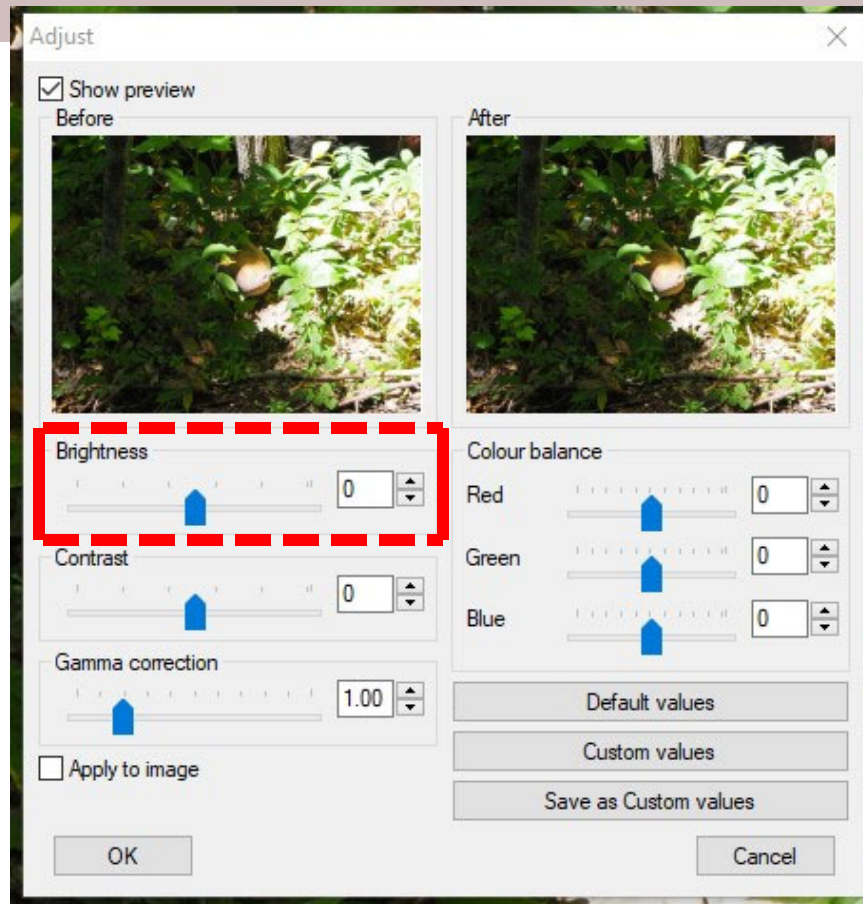


Photo Editing Options/Terms

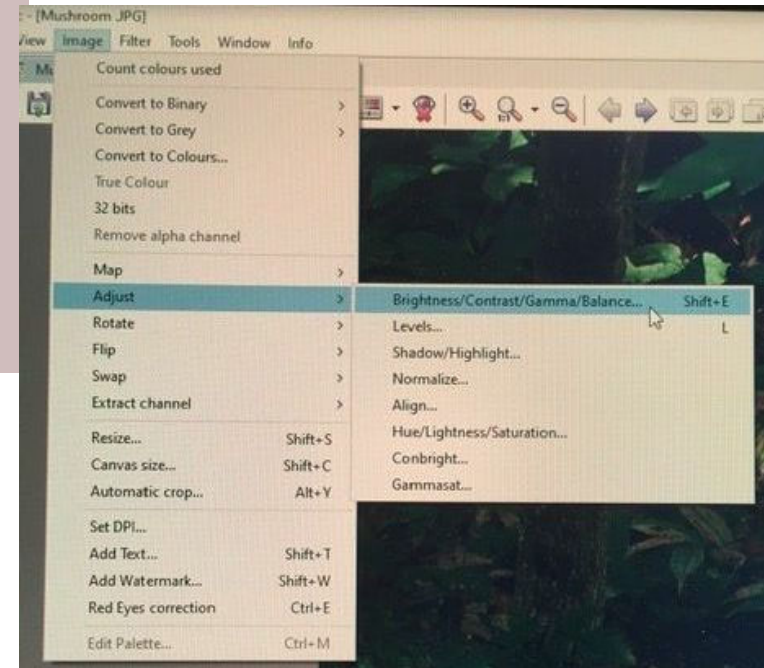
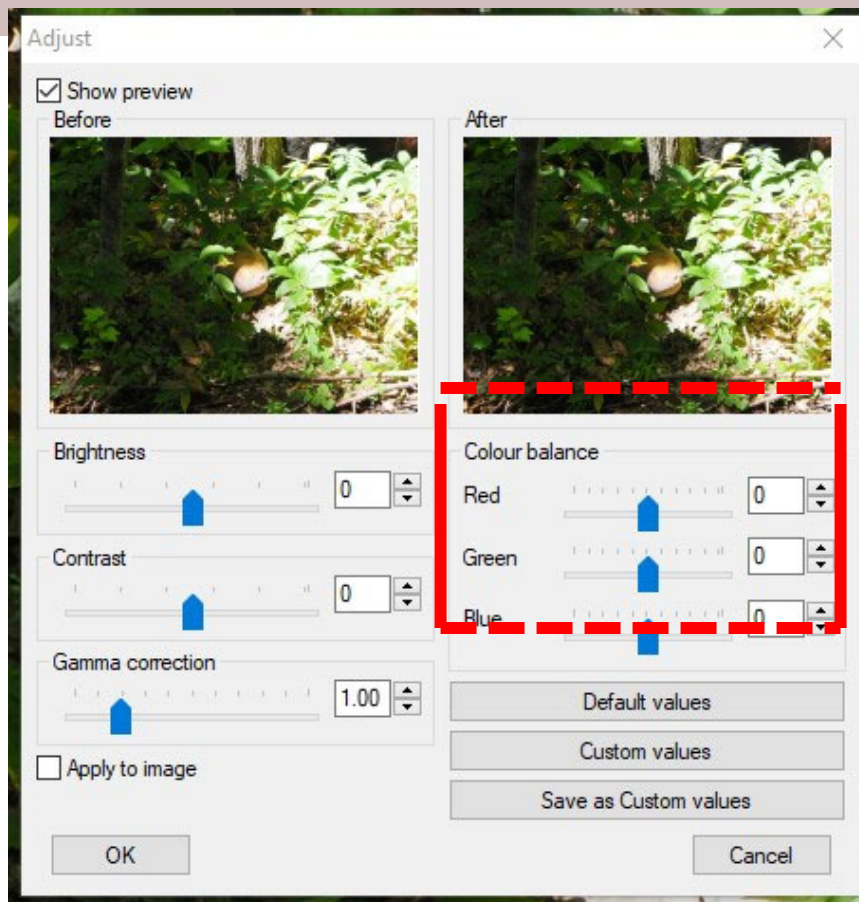
Brightness/Exposure

- How bright or dark your image is



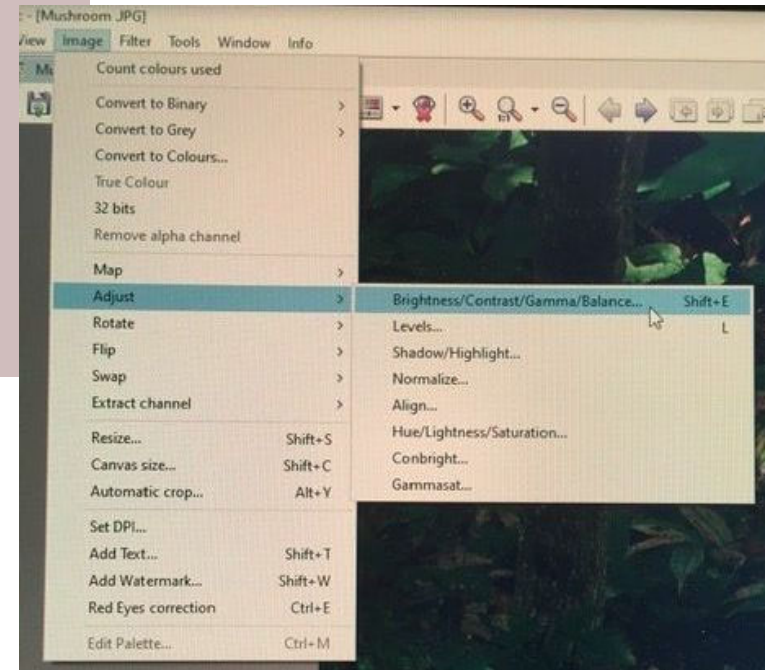
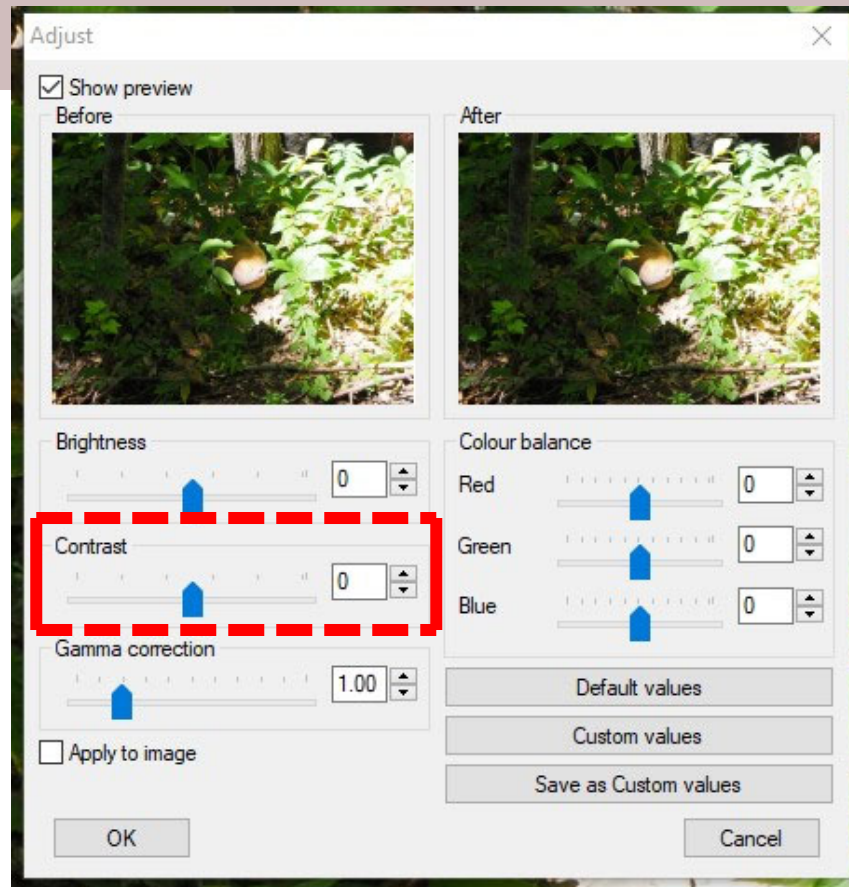
Color Balance

- Adjust the colors for accuracy or get creative
- Accurate color representation
- Color Theory



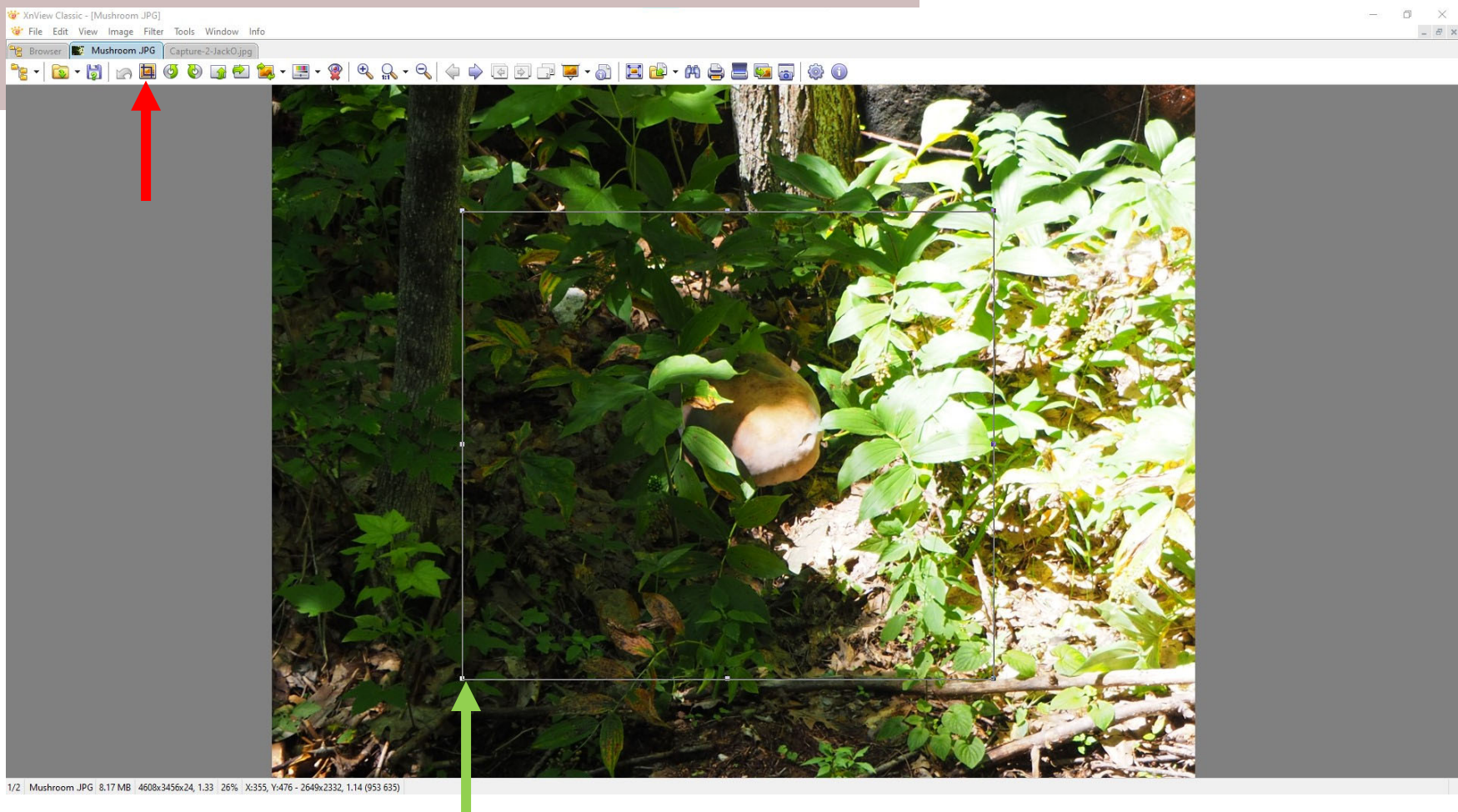
Contrast

- Range of difference between shadows and lights of an image
- Scale difference between black and white in your image



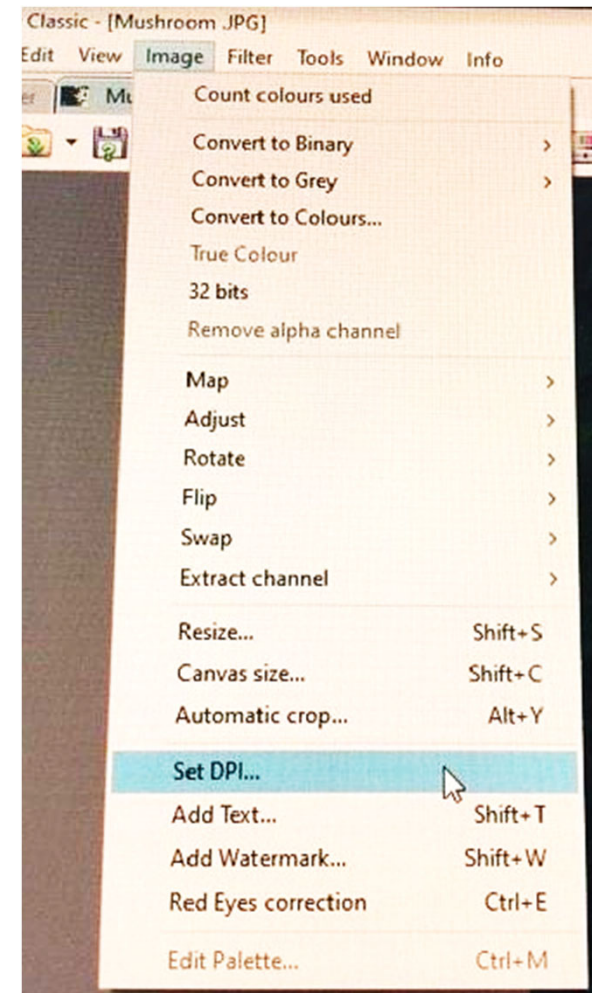
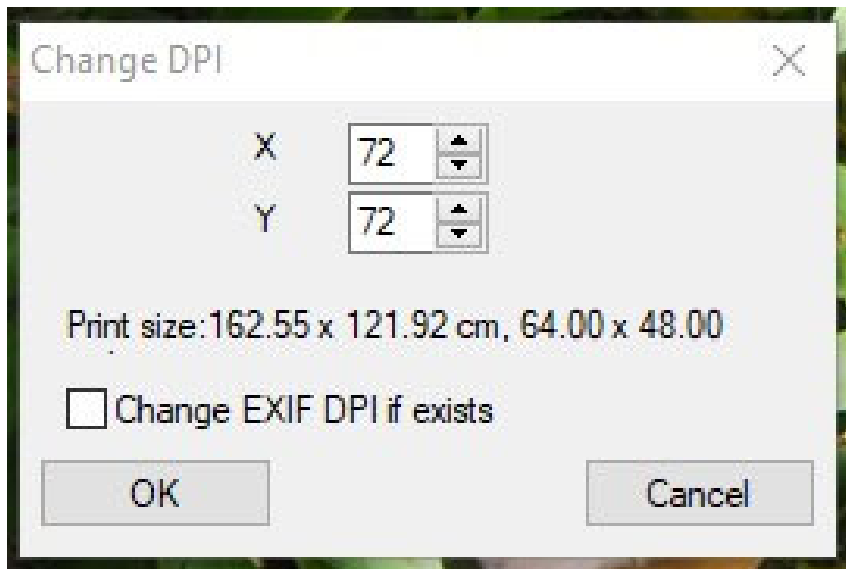
Cropping

Crop your photo for a better composition or cutting away unwanted areas of a photo



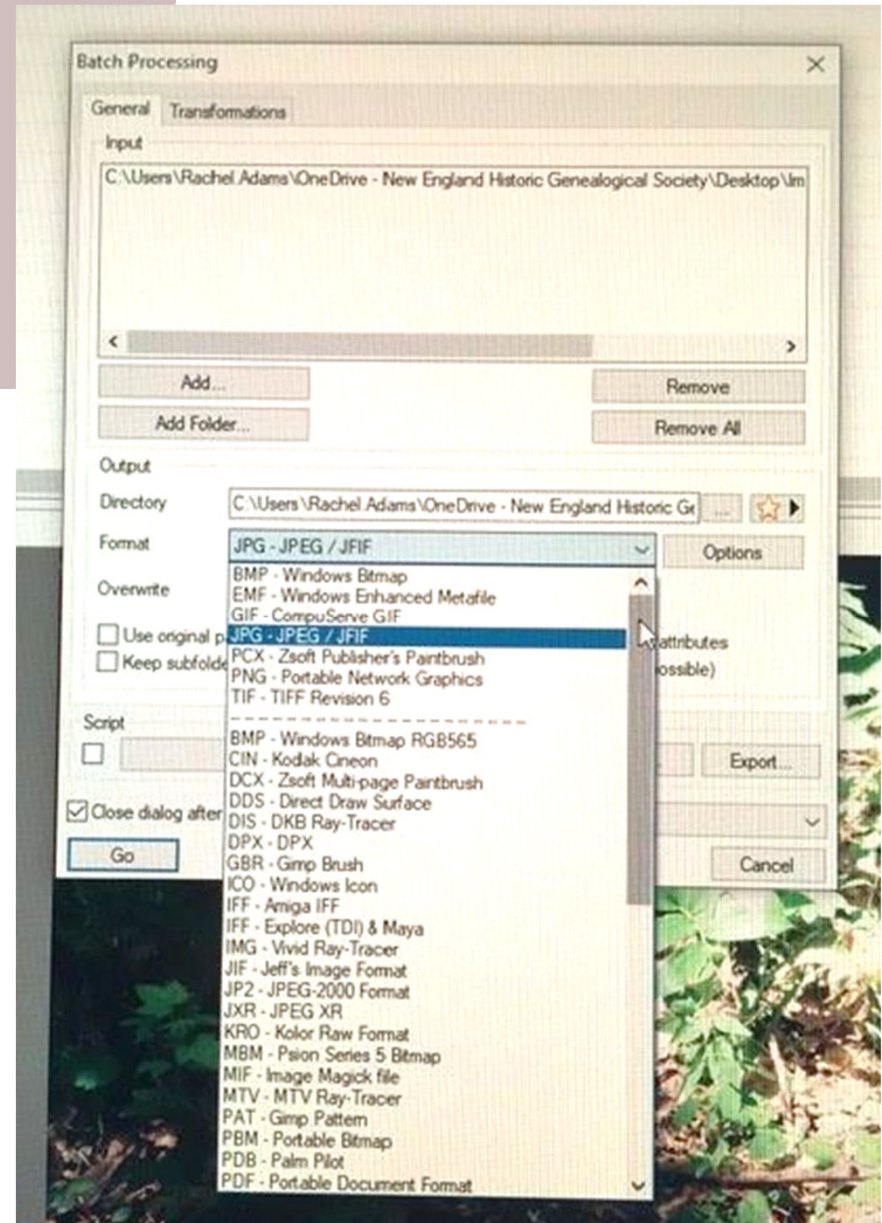
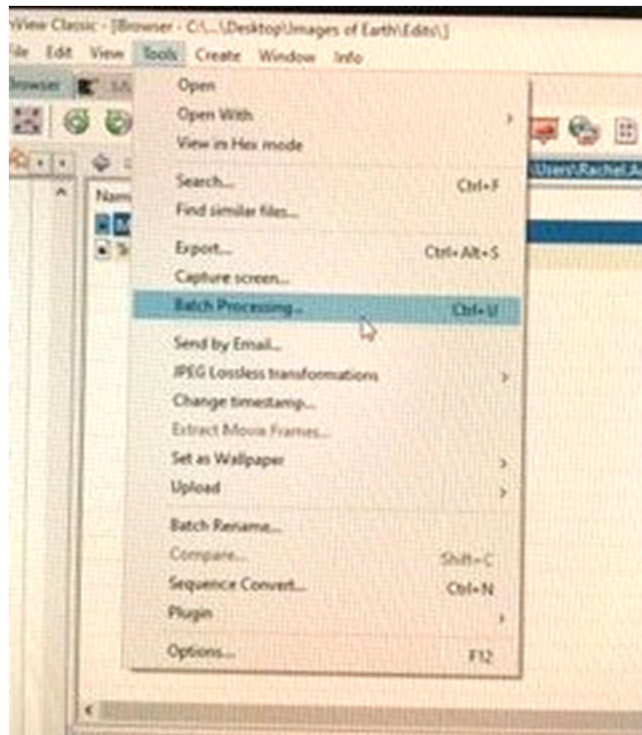
DPI

Dots Per Inch: Resolution of an image



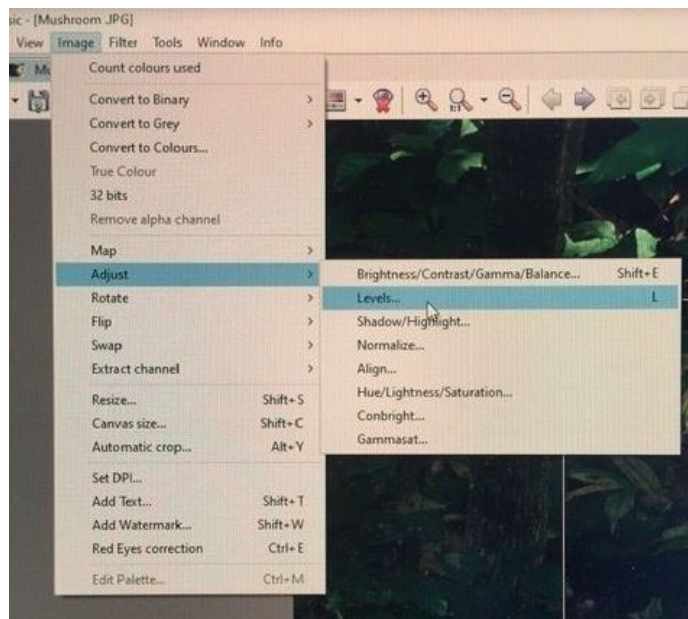
File Format

Image file format in which an image is saved: JPEG, TIFF, RAW



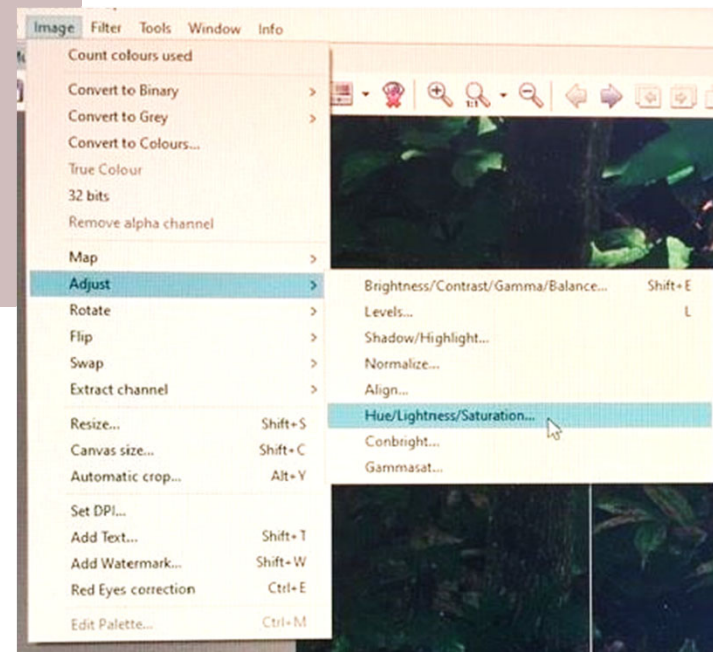
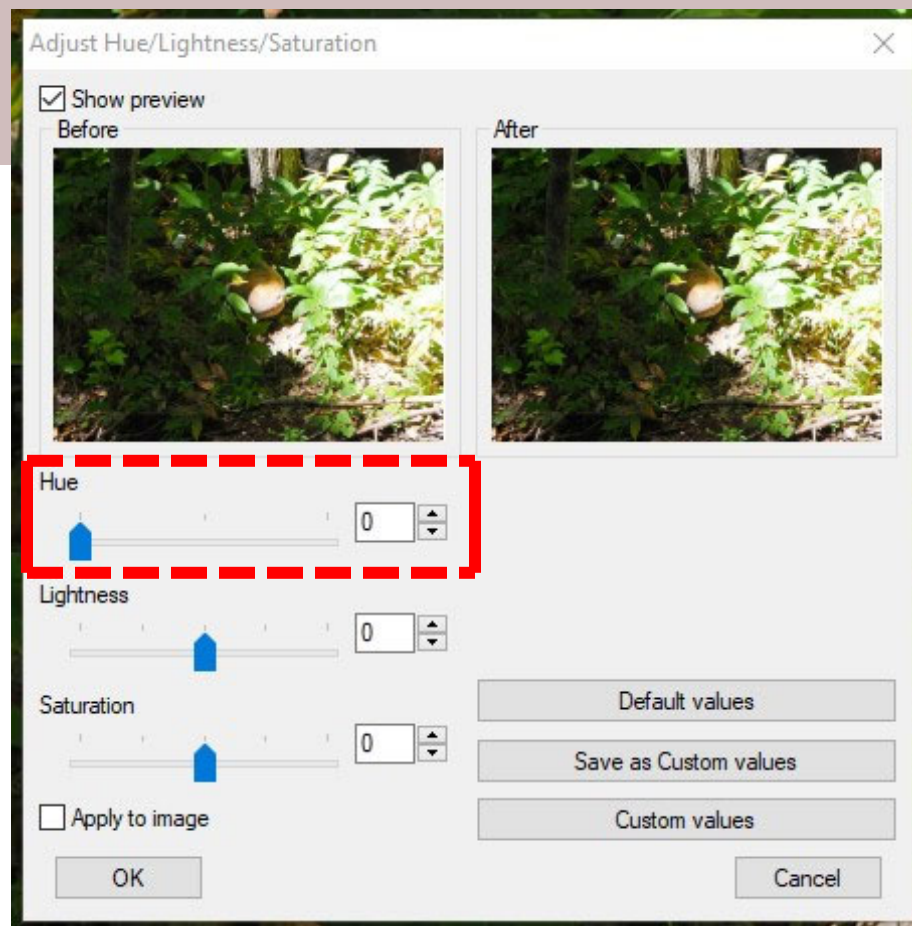
Histogram

- Graph that displays all tones in your image
- Black/Shadows are on the left
- White/Highlights are on the right



Hue

Relates to an objects pure color



JPEG

Joint Photographic Experts Group:
A compress file format, that are smaller
and are easier to share

Tiff

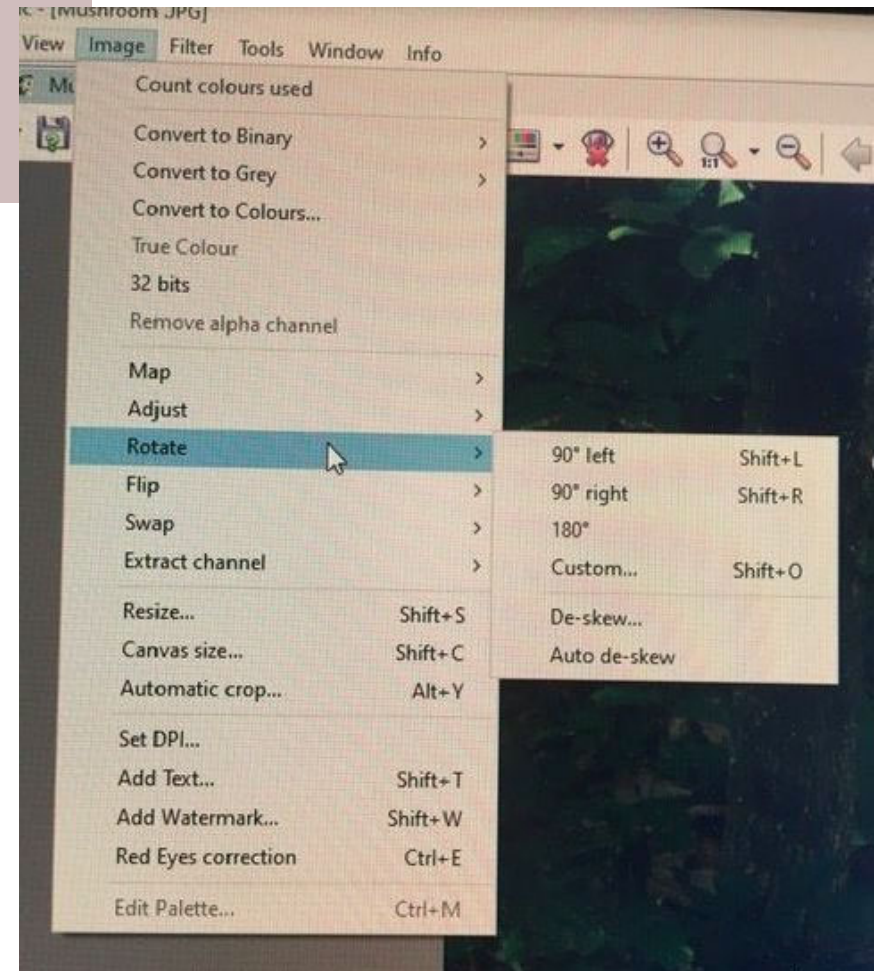
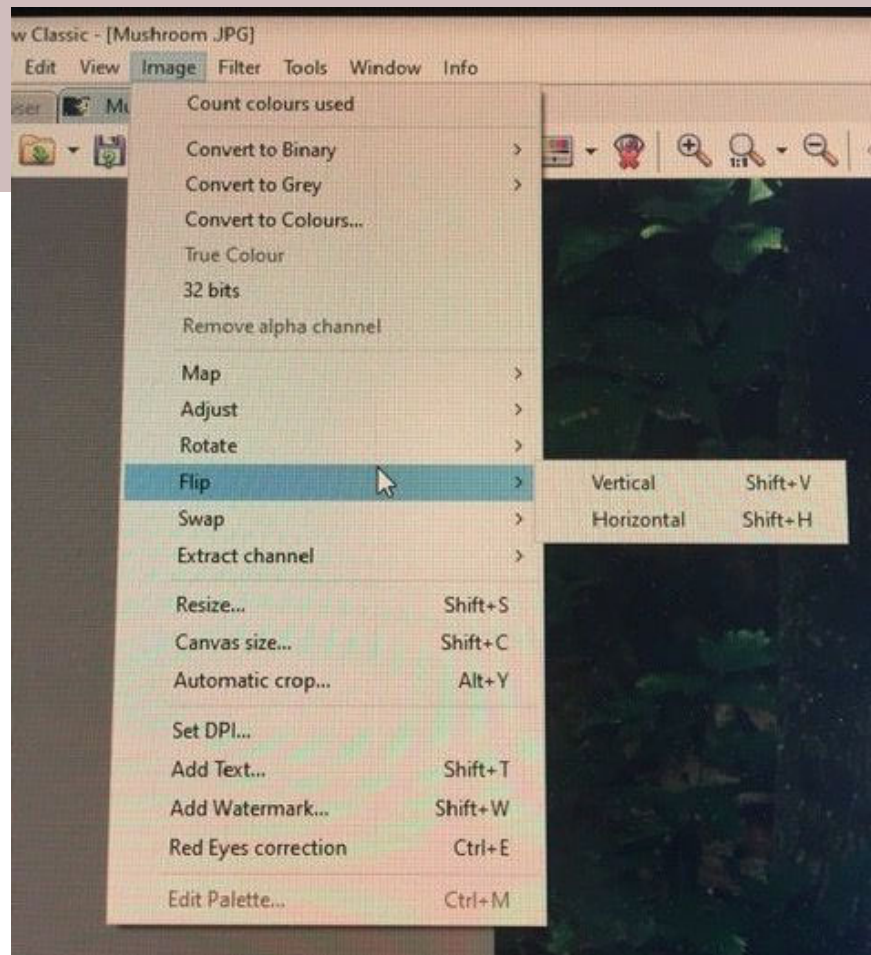
Tag Image File Format

Pixel

Smallest unit of programmable color represented on
a digital display

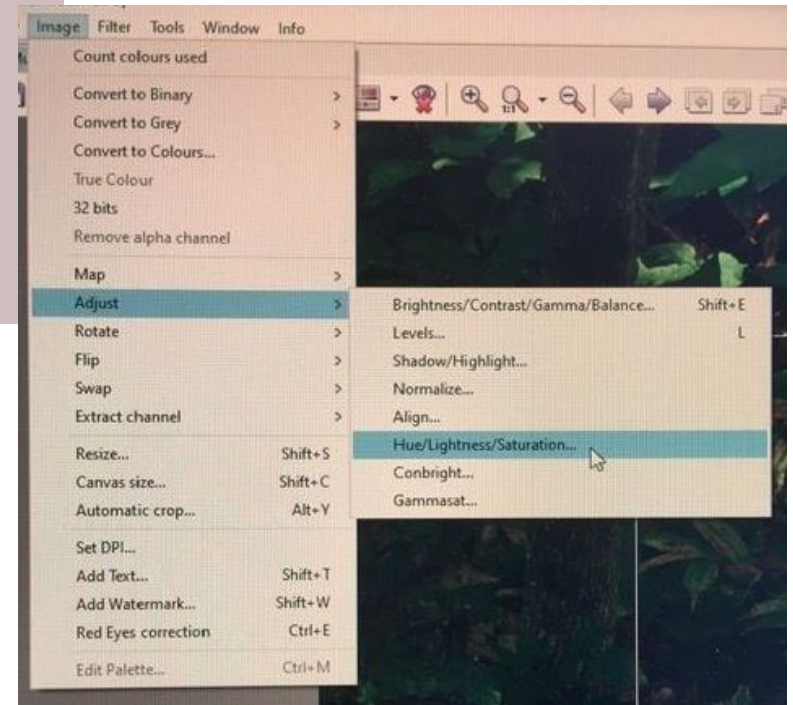
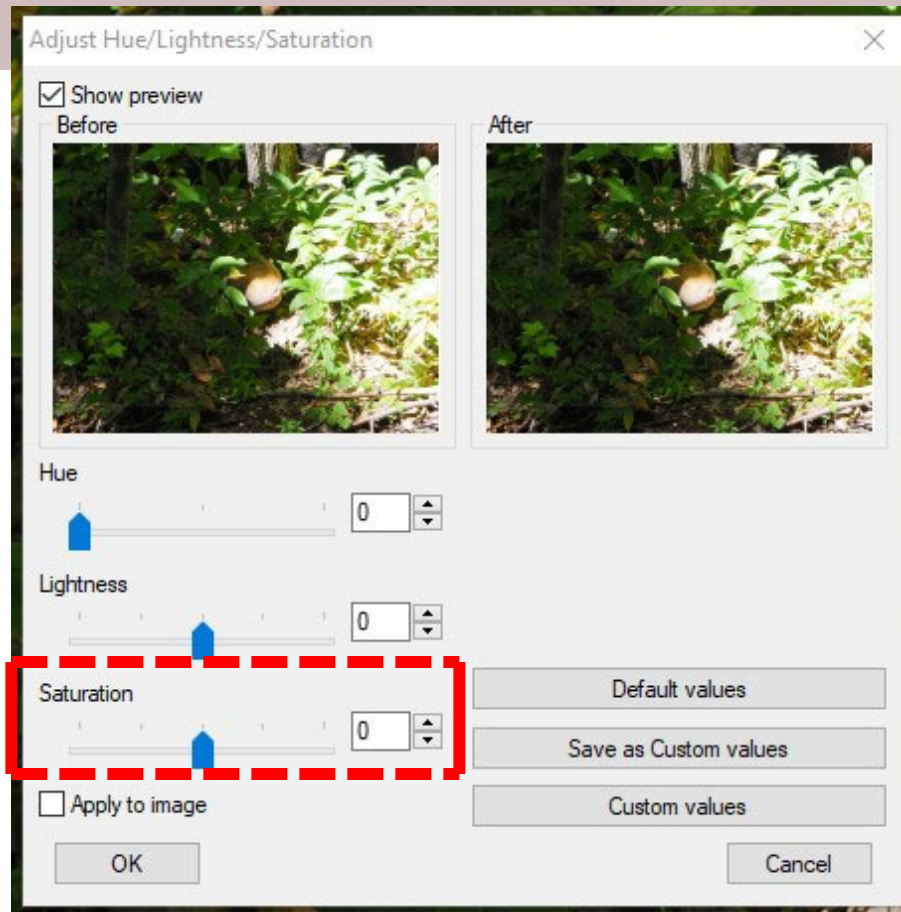
Rotate

Image – Rotate – Flip



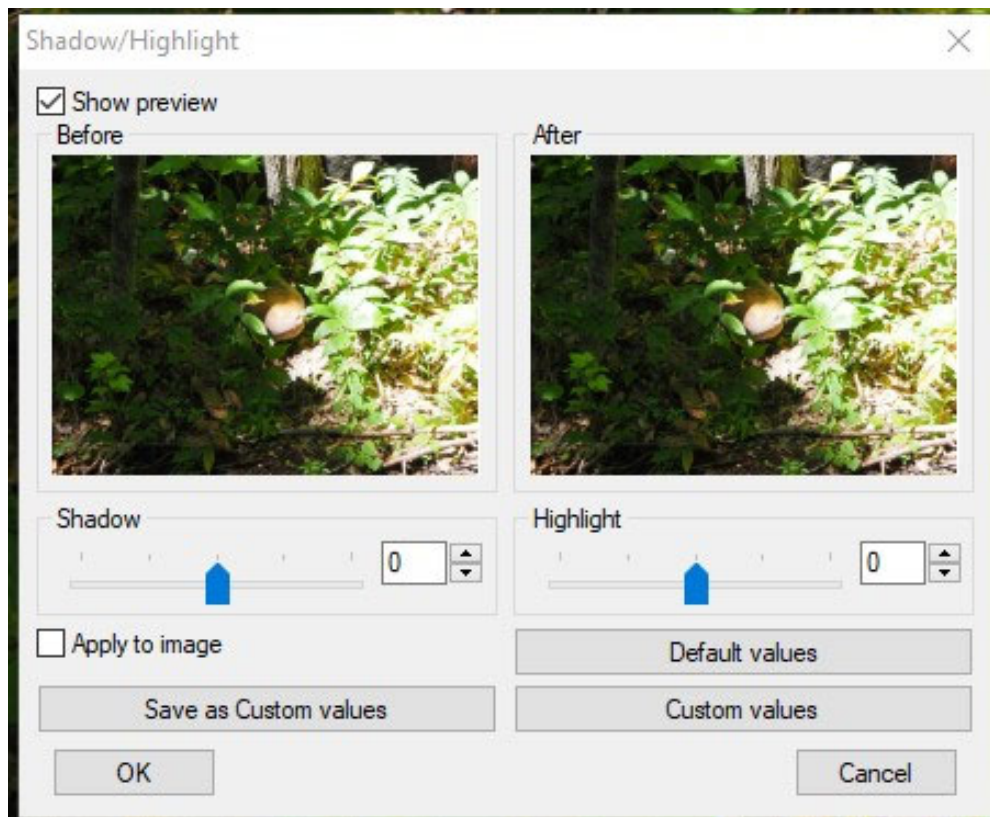
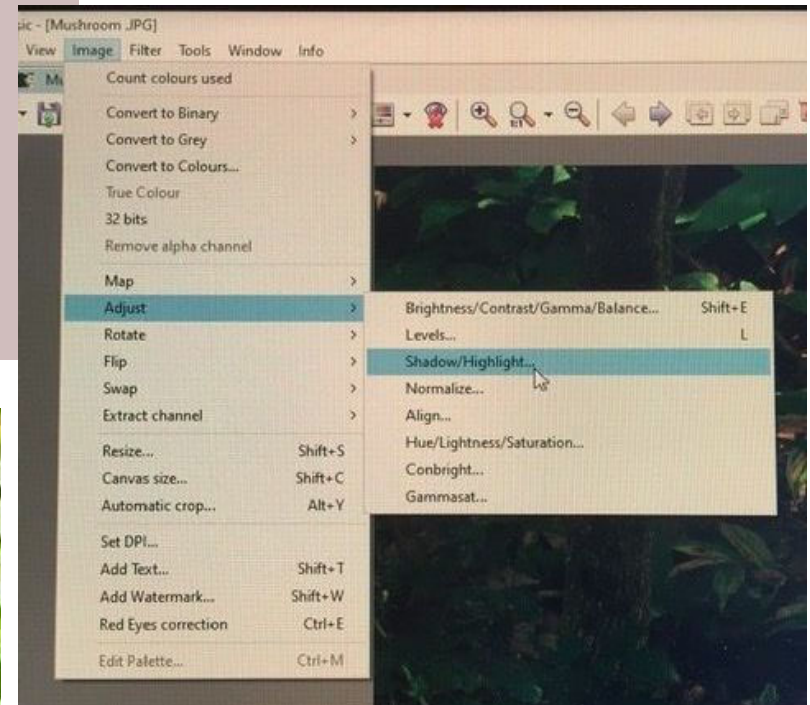
Saturation

- Overall color scheme of your image
- Color intensity of an image
- Increase Saturation: brighten and deepen the color
- Decrease Saturation: remove depth



Shadows and Highlights

- Details in Shadows and Highlights
- Blown Out; too bright, no detail
- Darkest and lightest areas within an image should still contain details



Noise

Grainy Look: the digital photography version of film grain

Overexposure

Too Bright: Loss of information over highlight areas exposure is higher than it should be

Underexposed

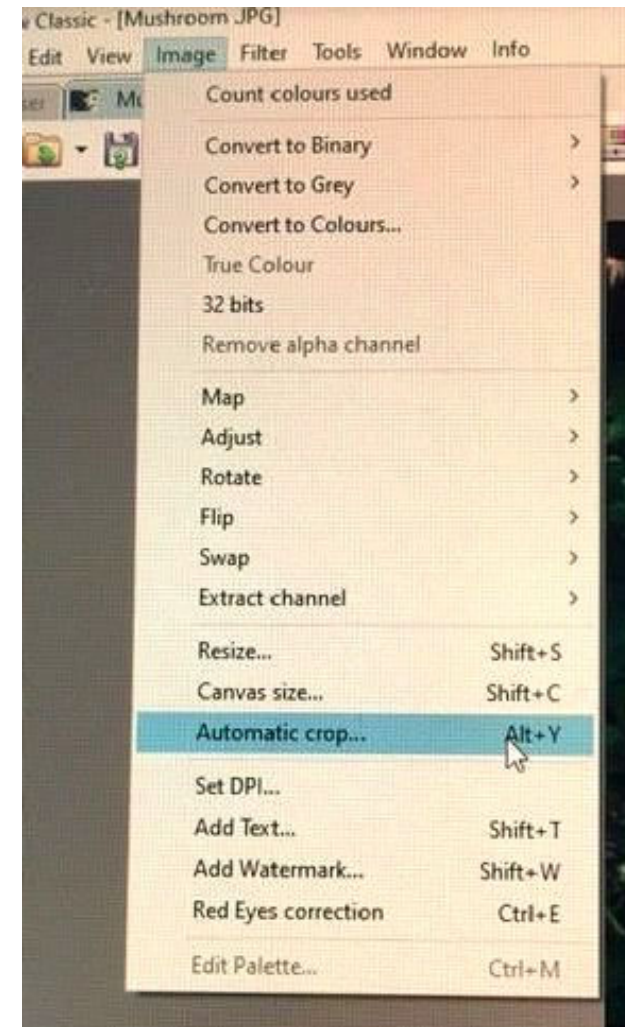
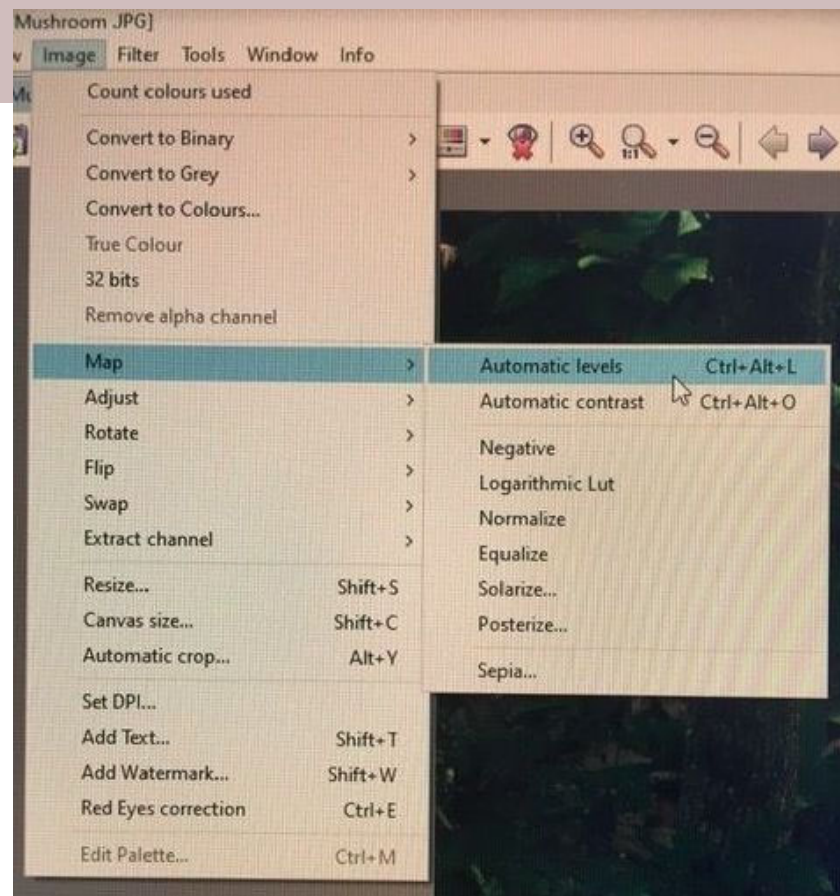
An image is taken when there isn't enough light and is too dark to produce normal contrast

Sharpen Vs. Clarity

Sharpening tools increase the contrast between different tones of pixels; Clarity tends to amplify an images textures

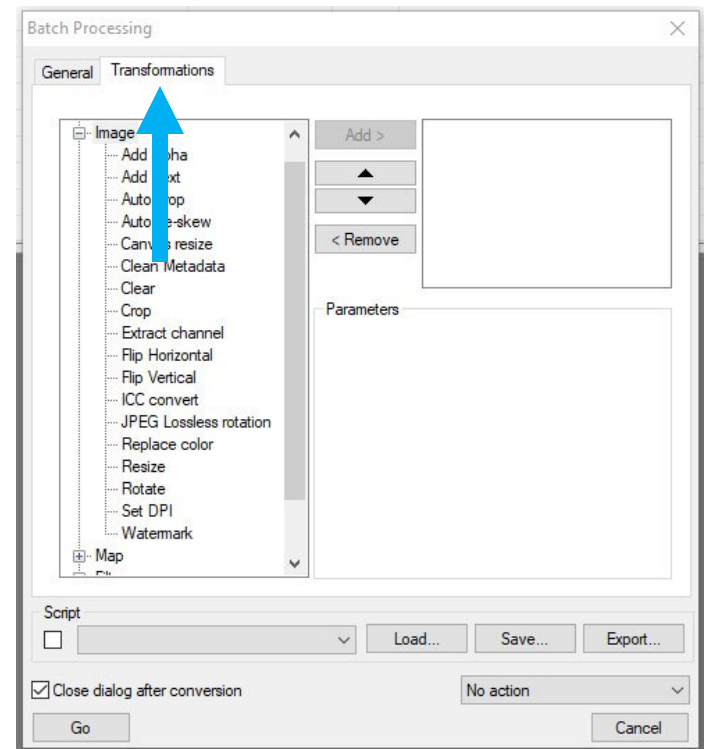
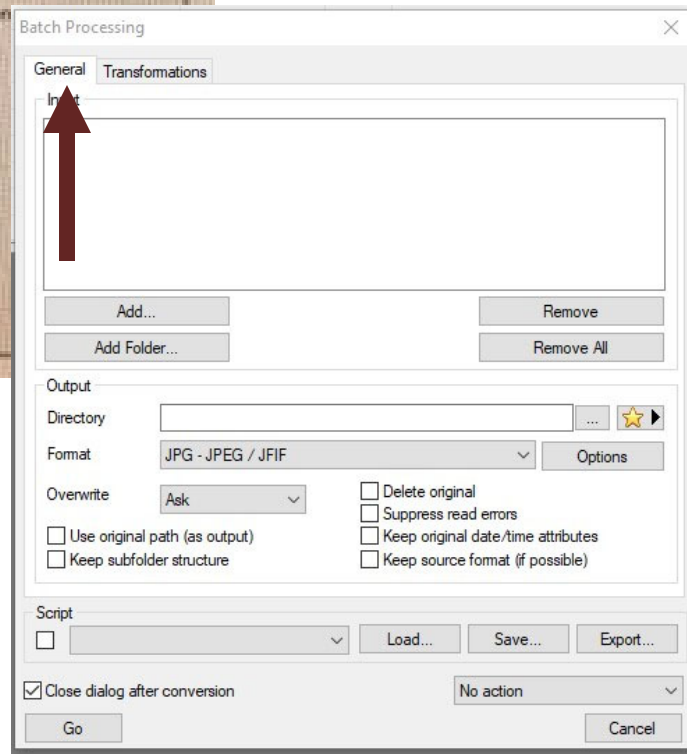
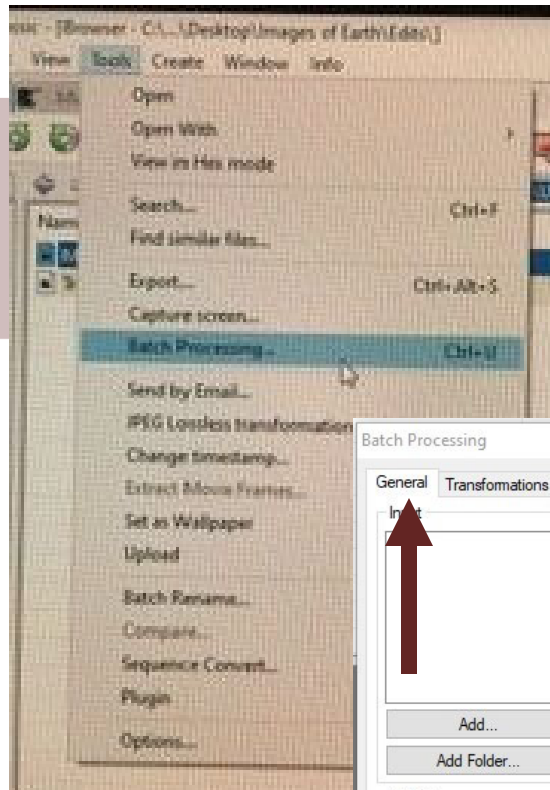
Automatic Options

Use automatic options and then go in and make more adjustments manually

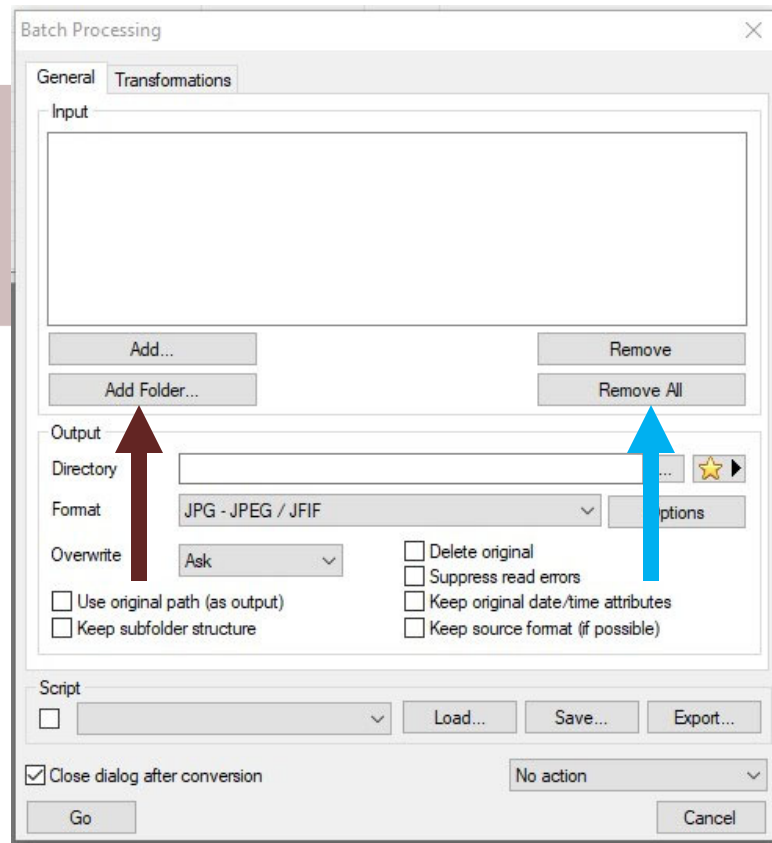


Batch Processing

Batch Processing

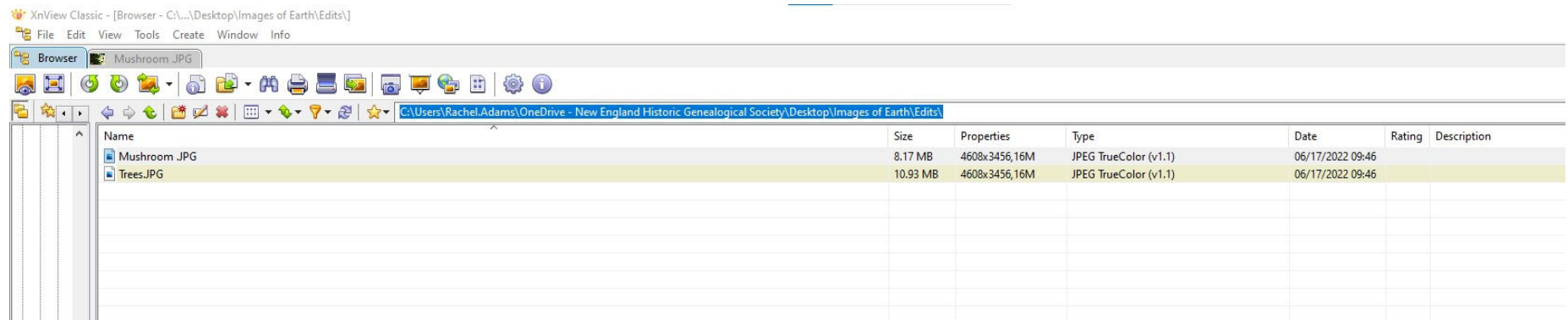


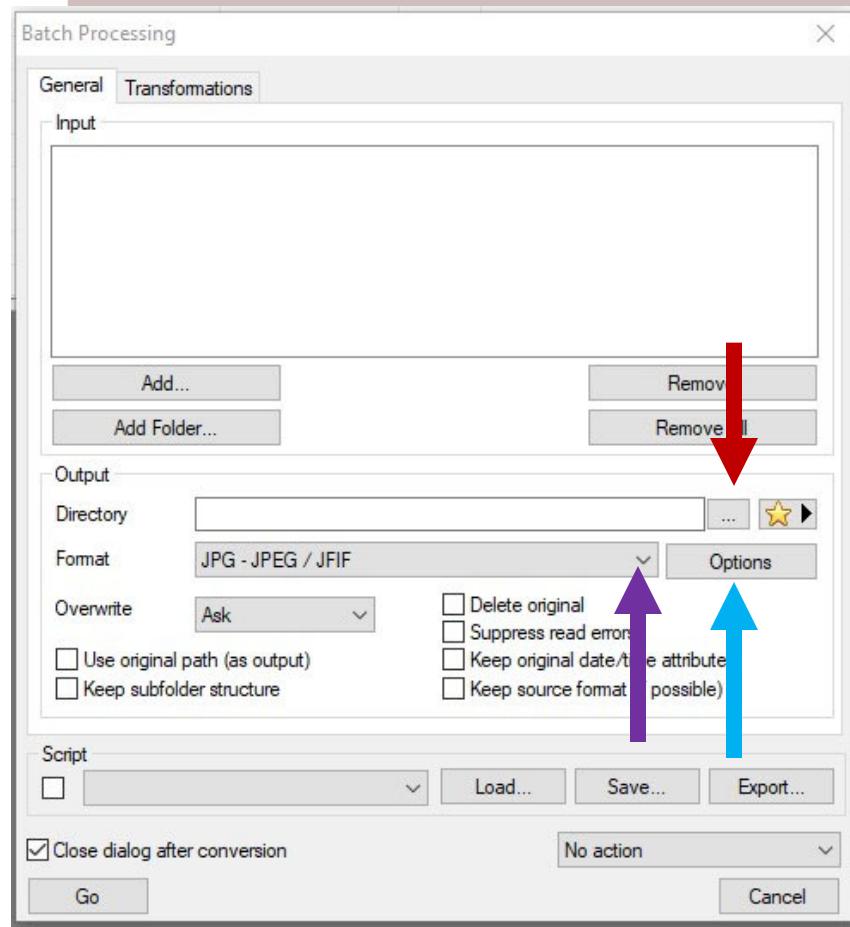
Selecting Images



Selecting Images:

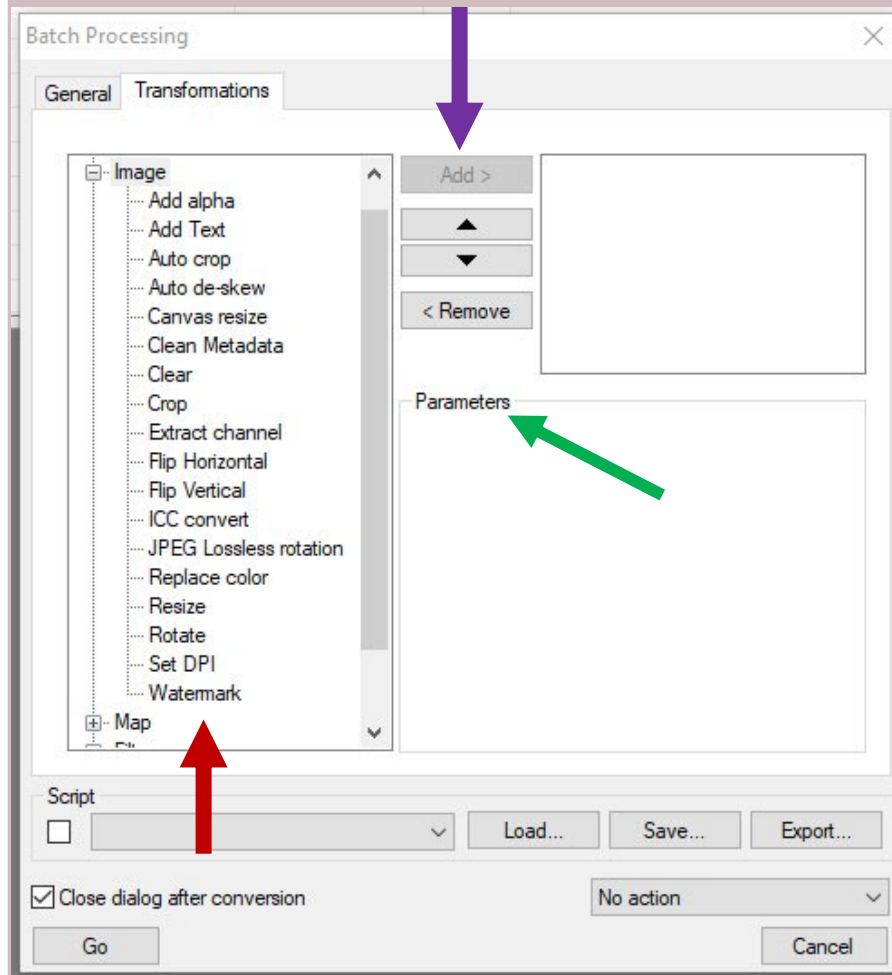
- 1) Click on one image file
- 2) Select multiple image files
 - 1) Hold down Ctrl + A while click with your mouse. This gives you the ability to click on each image one at a time. To unselect one image, hold down Ctrl +A when click on it with your mouse.
 - 2) To select a group of images at once. Click the first image in the group. Then hold down shift and click the last image in the group.





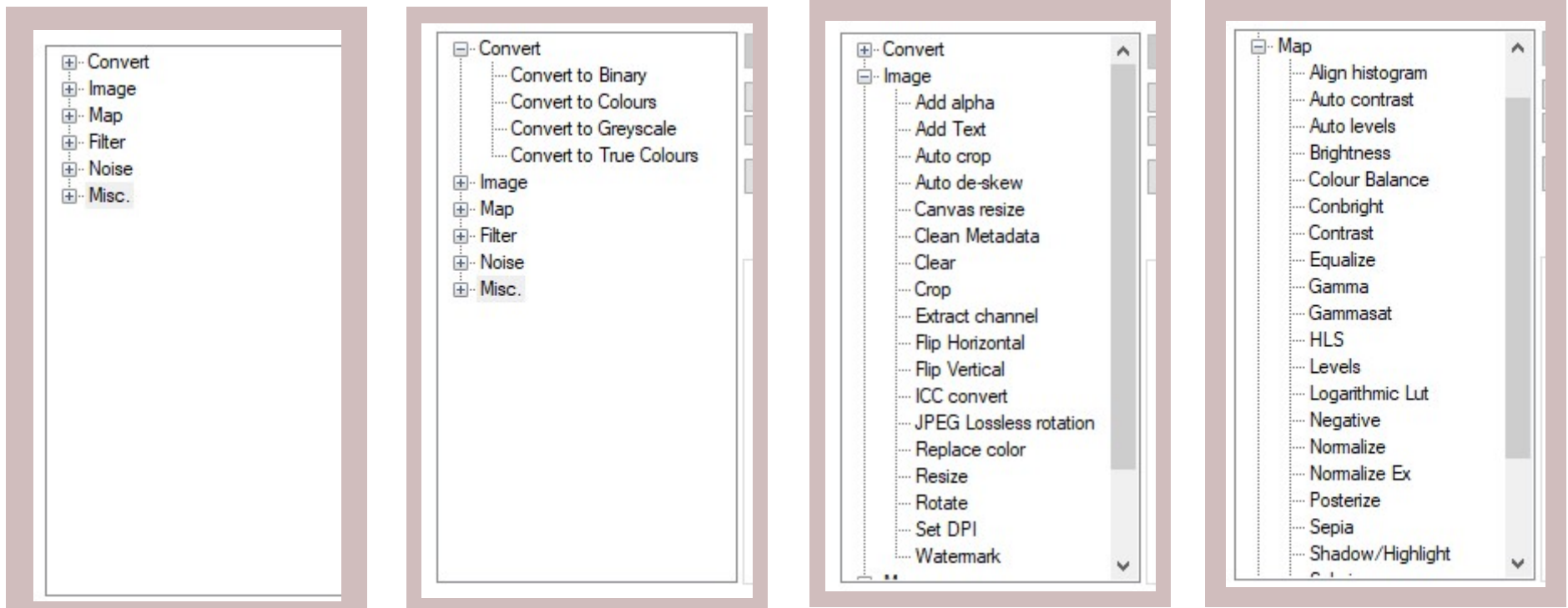
- **Directory:** The red arrow is pointing at a box with three dots in it. When you click on this. This gives you the ability to choose which folder you want your images going into.
- **Format:** The purple arrow is pointing the drop-down menu that lets you choose which file format you want. The blue arrow is pointing to the options menu. The options menu gives you more options for each file format.

Transformation Tab

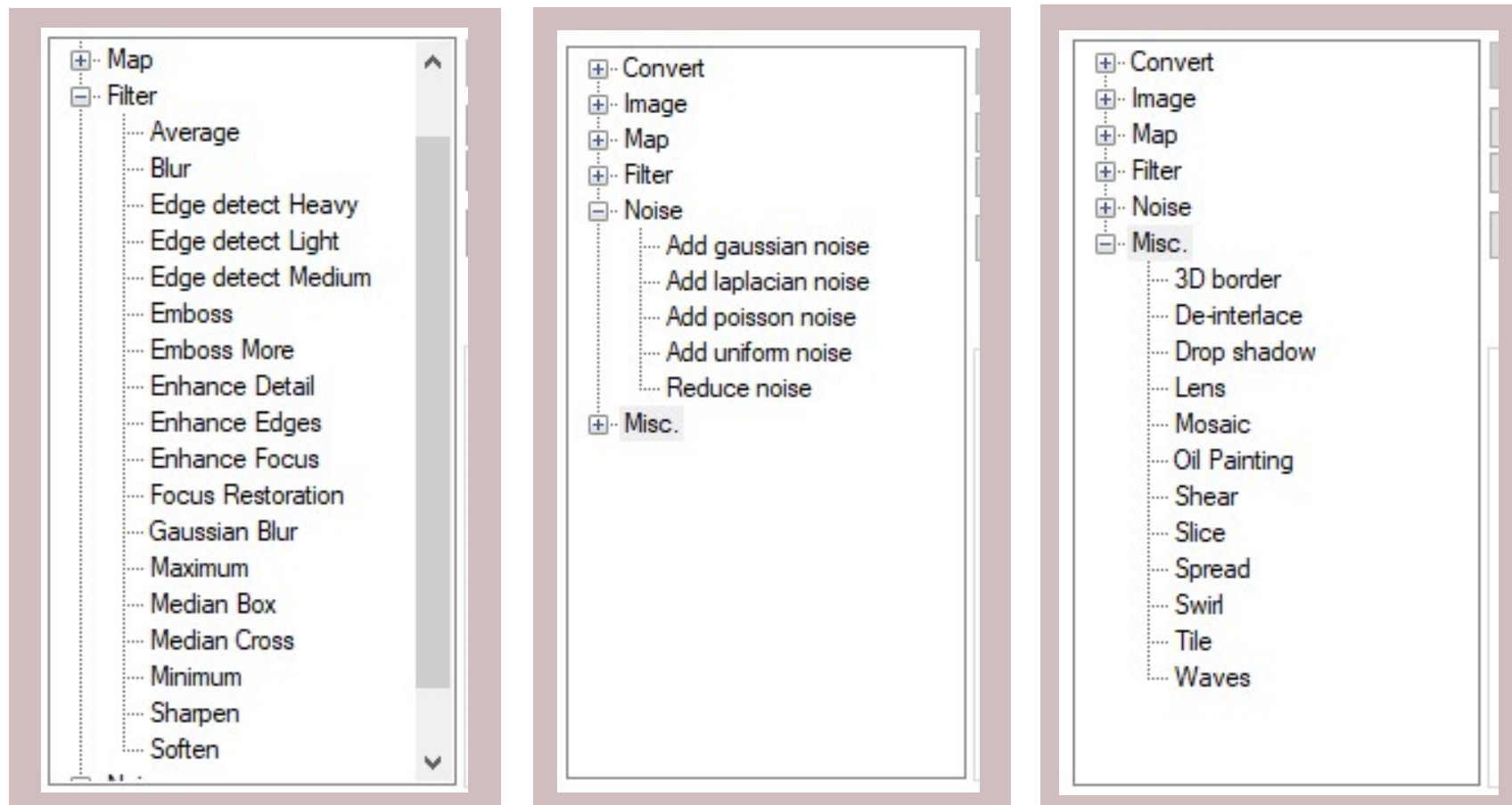


- Red Arrow is pointing to the menu options. You can click on one or more than one option.
- Purple Arrow is pointing to the add and remove box. Click one of the options in the menu and then click add.
- Green Arrow is pointing at the word Parameters. When you add a menu option. It will then populate the parameters box with more options

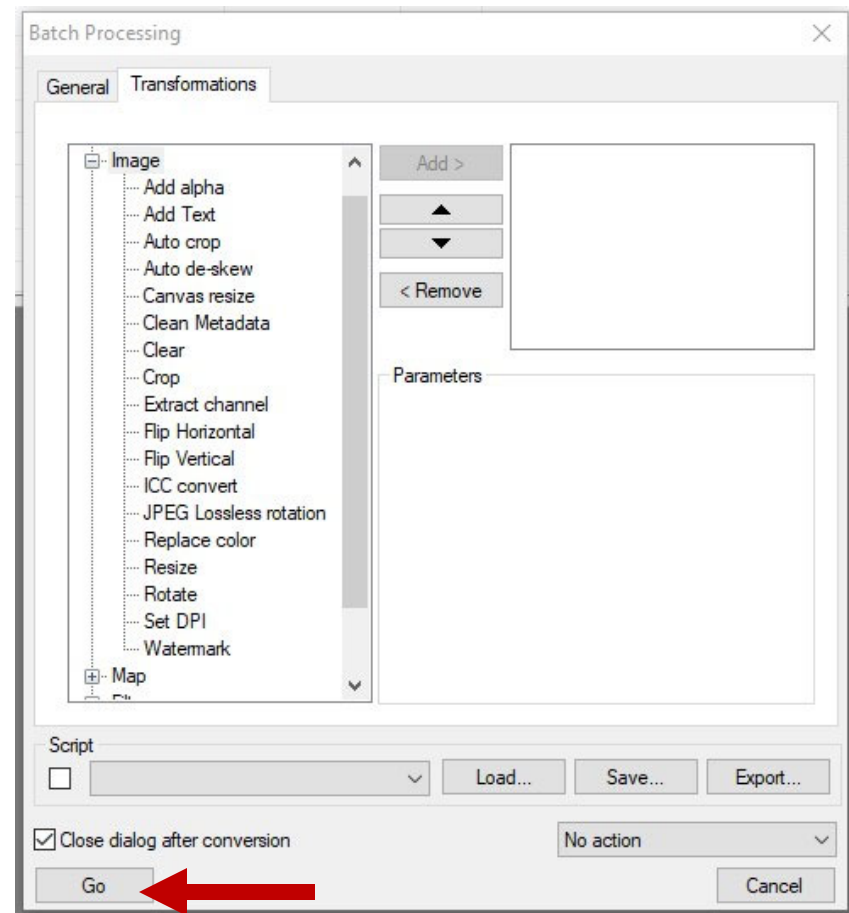
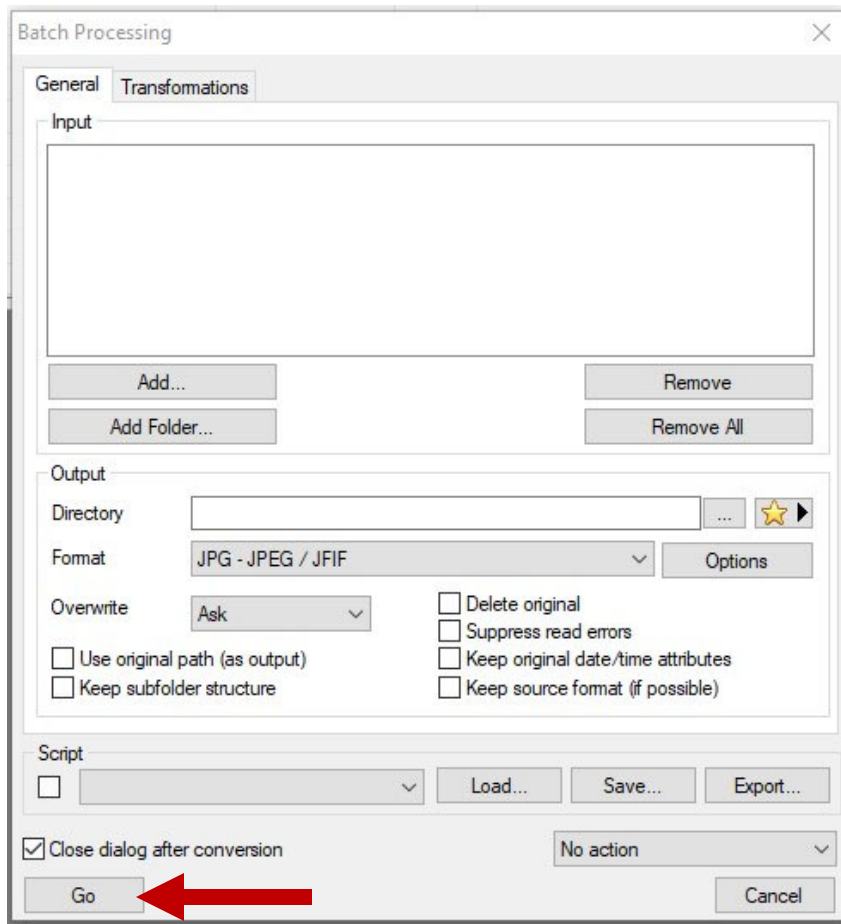
Transformation Options



Transformation Options



When your done setting up the batch processing window. Click Go from either Tab.



Too Far with Editing . . .

- Compare the original with the edited image
- You've gone too far if the edited image is:
 - Cartoonish
 - Over saturated
 - Over contrasting
- You don't want to lose detail!

Tip

Remember to Save
Multiple copies of the
same image file.



THANK YOU!
AmericanAncestors.org



NEW ENGLAND HISTORIC
GENEALOGICAL SOCIETY

AmericanAncestors.org

Copyright © 2022