

RESHADE IMAGE ENLARGER

Software Quick Guide

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INTRODUCTION

Overview

Reshade offers the highest quality photo enlargement available for your computer. Resize images without the usual blur, jagged edges, halos, loss of sharpness or detail associated with image enlargement. Create accurate, crisp clear, and photorealistic enlargements at almost any zoom factor.

MINIMUM SYSTEM REQUIREMENTS

Microsoft® Windows 98 or newer

Intel Pentium III / AMD Athlon XP
or newer

128MB RAM

100MB free hard disk space

SSE enabled CPU

Easy-to-use self-adjusting settings, quick previews, keyboard shortcuts, and drag-and-drop functionality make the Reshade photo enlargement application the perfect choice for beginners and experts alike. Resize images in many file formats including jpeg, tiff, png, and bmp. Adjusting your images for print is easy! Reshade includes support for most image modes including CMYK.

The following sections of this manual are geared towards the seamless installation and utilization of the Reshade application. Please note the minimum requirements before moving on to the Application Setup section. The remaining sections of the quick guide highlight the procedure to enlarge images.

Application Setup

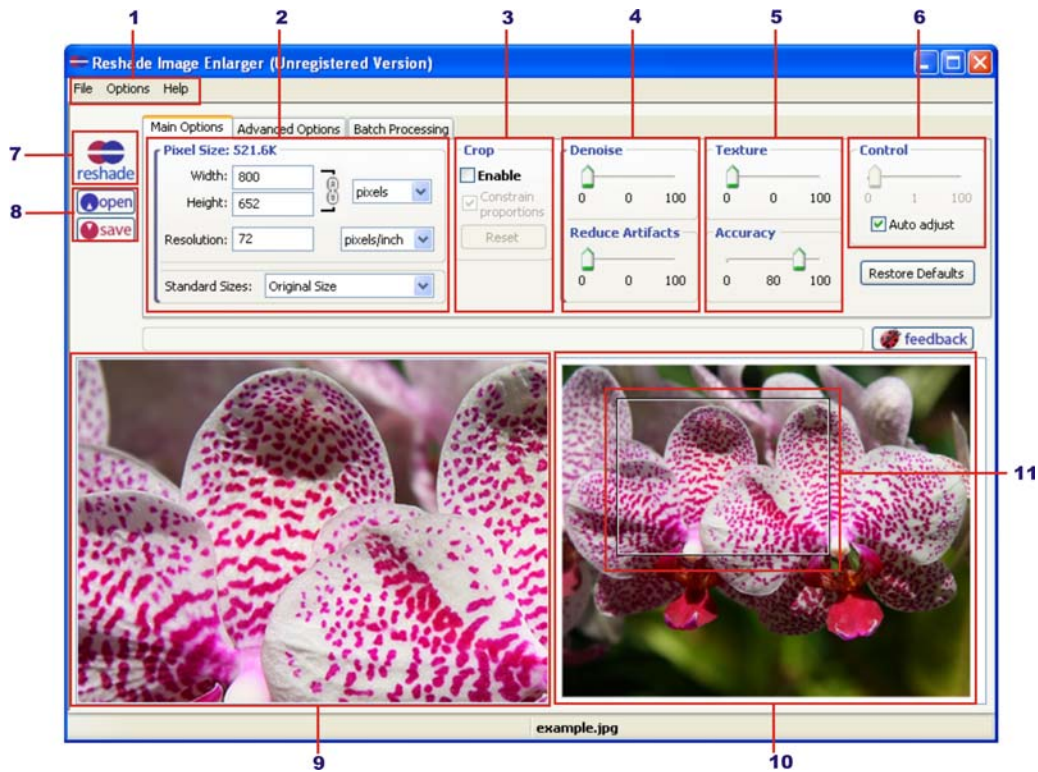


To install the application from the web, download the [application installer](#) from the Reshade.com website. Click on the “Run” option and then follow the on-screen instructions. When the installation is complete, you will be prompted to run the application. A shortcut is created in Start->Programs for access to the Reshade Image Enlarger application at any time.

Take a step by step tutorial [and see how to use](#) Reshade Desktop Photo Enlarger or continue below with a more detailed description of the user interface and the main features.

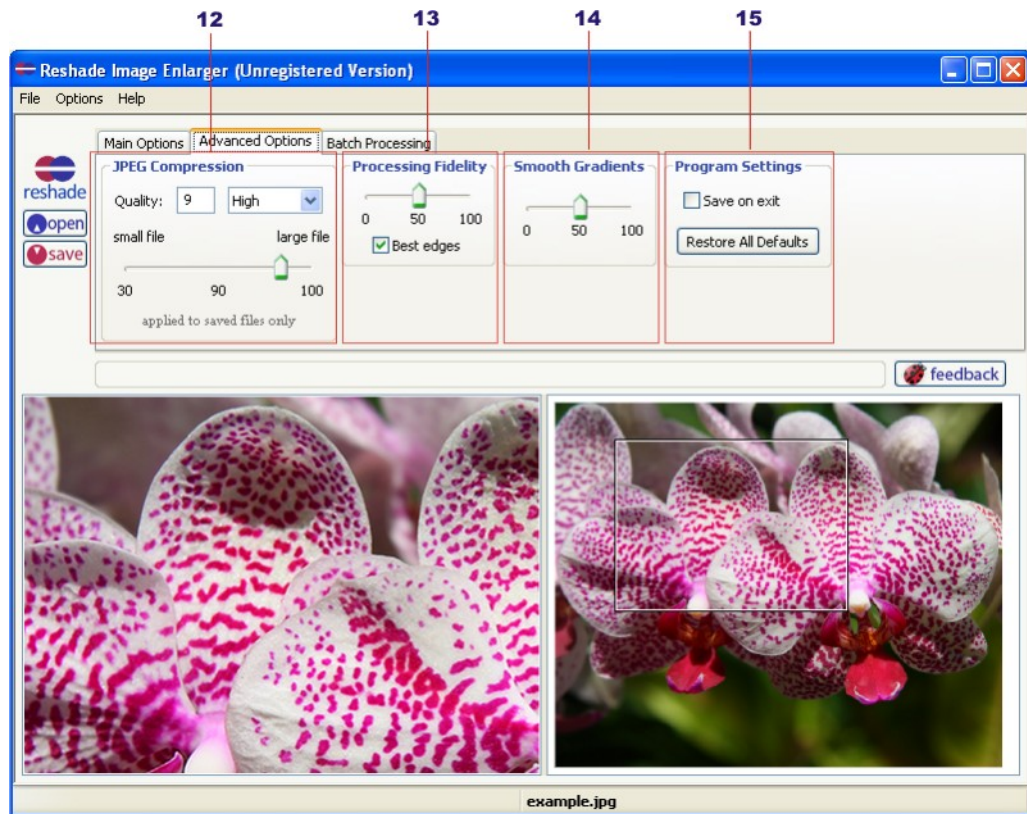
THE USER INTERFACE

The Reshade user interface is easy to use and contains the various controls for resizing any image. The controls in the user interface are “unlocked” whether or not the application is licensed. If the application is not licensed, a Reshade watermark image will appear on the resized images. If you have purchased a license, register the application following the steps in the Registering section. The Reshade application window is described below.



Here is a short overview of the Reshade User Interface:

1. **File** and **Help** menu-bar
2. **Pixel Size**: enter the desired width/height of the enlarged image
3. **Crop**: allows the original image to be cropped
4. **Denoise/Reduce Artifacts**: reduces noise in the image. Defaults are 0.
5. **Texture/Accuracy**: Texture sharpens the resized image. Accuracy get smoother (low values) versus more precise approximations of the original image (high accuracy)
6. **Control**: The degree at which the image is transformed. Higher values create sharper and more clear edges but with more distortion. A close to optimal value is approximated by "Auto Adjust". When it is selected, the required value for Control is adjusted automatically; otherwise the slider will be available manual selection.
7. **Reshade logo**: Opens the Reshade product description page on reshade.com using your default web browser
8. **Open / Save**: Open allows an image file to be opened. Save allows the resized image to be saved to disk.
9. **Preview**: Shows a preview of the resized image.
10. **Original Image**: Shows the original image before it is resized (reduced to fit).
11. **Pan Rectangle**: Used on the right panel to control the area shown on the left panel when the required image width or height is larger than the left panel. The size of the pan rectangle depends on the required image size and the left panel size.

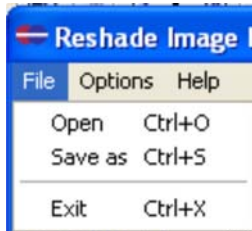


Advanced Options tab of the Reshade User Interface:

12. **JPEG Compression:** Sets the compression rate for JPEG format. Default is 90%.
13. **Processing Fidelity:** select higher quality resizes vs. faster processing. When “Best Edges” is enabled:
 - o No local color shifts caused by extreme settings are visible even at large zooms
 - o More precise edge detection takes place
14. **Smooth Gradients:** Sets how smooth the edges should be to start transforming them (a value of 0 transforms everything)
15. **Program Settings:** When selected, the “Save on Exit” feature automatically saves the resized image when the Reshade application is closed. Restore All Defaults changes all of the settings back to factory settings.

Menu Overview

The Reshade menu bar contains options for opening/saving files, accessing the help files, and exiting the application.



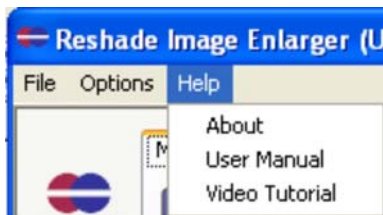
The **Open** and **Save** options will function the same as their corresponding buttons.

Exit: Closes the Reshade application



The **Updates** option will search for any available Reshade application updates

Register allows full use of the application by entering in the license number received when the application was purchased. See the Registering section.



About: Provides application version information for Reshade.

User Manual: Opens this user manual using your default browser.

Video Tutorial: Opens an online video presentation of the main features.

REGISTERING

When opening an unlicensed version of Reshade, you will be prompted to enter your registration information (as shown in the figure below):



The image shows a Windows-style dialog box titled "Registration". The text inside reads: "This is an evaluation version of reshade. To enjoy the full functionality you need to register. Please enter your name and serial number below:". There are two input fields: "Your name (optional):" with the text "Your Name" and "License code (16 characters):" with the text "1234567890000000". At the bottom, there are three buttons: "Register", "Buy Now!", and "Later".

If you do not have a license, you may purchase one by clicking on this [link](#). After you have your license information, enter it into the Name and License Code fields and then click the Register button.

If you'd just like to try out the application, you can do so by clicking on the Later button. Remember, the unregistered version will allow you to test every feature in the full version but when saving the image it will put a Reshade watermark on it.

GETTING STARTED

Getting started with the Reshade Image Enlarger application is easy. There is a three step process to working with image files:

Opening an Image

1. Click on the Open button or Choose File->Open from the menu
2. Drag and drop files (from Windows Explorer or your internet browser)
3. Use the keyboard shortcut: CTRL-O

Adjusting the settings for the resized image

1. Start with the Pixel Size section of the User Interface. The image width and height can be changed by one of the following methods:
 - a. Typing the new value in the Width and Height field
 - b. Scrolling the mouse while the cursor is in the field
 - c. Dragging the label
2. Next, the image resolution can be changed one of two ways:
 - a. Typing the new value in the Resolution field
 - b. Scrolling the mouse while the cursor is in the field
3. Next, the drop down menu next to the width/height fields is used to select the width/height units. The drop down menu next to the resolution is used to select the resolution unit. Make the appropriate selection from the drop down menus.

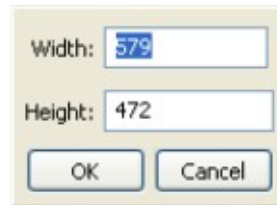
- a. Drag the Pan Rectangle across the right panel using the left mouse button if the image becomes larger than the left panel
4. The lock button next to the width/height fields allows you to maintain the image aspect ratio when selected. If selected, any change in one dimension will cause a corresponding change in the other value to maintain the aspect ratio and keep the images from stretching.
5. Finally, the Standard Sizes drop down includes a list of standard sizes where you may select any to be assigned as the width and height for the resized image. Here are some considerations when using the Standard Sizes drop down options:
 - a. If the lock/unlock button is in the unlock state, the selected standard size will be applied as-is. The image will be center cropped if both Crop and Constrain checkboxes are selected. Otherwise, the image will be stretched.
 - b. If the lock/unlock button is in the lock state and the Crop checkbox is not selected, only one value from the standard size will be used while the other value will be calculated to keep the image aspect ratio.
 - c. If the lock/unlock buttons is in the lock state and the Crop checkbox is selected, both values will be applied and the resized image will be cropped in one direction to have an aspect ratio suitable for the new size.
6. If you need to crop the image, you may use select the Enable checkbox in the Crop section. Once enabled, you can use one of the eight handles on the Crop rectangle in the right panel.



- a. If the Constrain Proportions checkbox is selected, the width and height ratio of the cropped area will be maintained.

- b. If the lock/unlock button is in lock state and Constrain checkbox is unselected, the width and height ratio of the crop rectangle will not be maintained. However, the value of the width and height (shown on document size panel) will be revised automatically to keep the image outstretched.
- c. To center the cropped area, select the Constrain checkbox and click on the Center button. To reset the cropped area, unselect the Constrain checkbox and click on the Reset button.

Alternatively, you may type in the crop rectangle size by right-clicking inside the right panel. A small window will be shown so the user can enter both width and height values.



7. For the remaining Reshade Image Enlarger features, use the slider bars. For more precise control, use up/down arrows when the slider is selected. Enter values in the corresponding text-fields. **Note:** You may use decimals for the zoom value. See the INFORMATION ABOUT SPECIFIC RESHADE SETTINGS section for more detailed information.

Saving an Image

1. Save the resized image
 - a. Click on the Save button or Choose File->Save from the menu
 - b. Use the keyboard shortcut: CTRL-S

Batch Processing

The Batch Processing feature allows you to perform the same resizing functions on multiple images at the same time. The Batch Processing feature is a three step process.

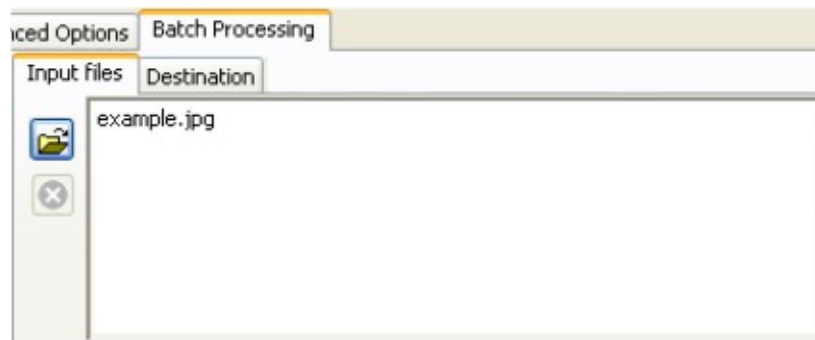
1. Input Files

You can load multiple files by clicking on the Open button and browsing for the source images. To select multiple images: click on the first image, then use the CTRL key to select the other source images. In addition, use the SHIFT key to select a range of images from the list.

Alternatively, you may drag and drop multiple images onto the image list in the Reshade application. **Note:** If an image path is repeated, the image will be ignored. To remove a selected image from the list, use the delete button on the left side of the image list.

Note: Only the image name will be shown on the image list. This is because the full path maybe too long to be shown. If the user selects an image, the full path will be shown on the status panel.

To preview an on the list, click on it and it will be displayed in the preview panel on the right. If the user double clicks an image or press enter while only one image is selected, it will be loaded on Reshade. In this case, user-defined crop cannot be enabled; however, it does perform center crops.



2. Destination

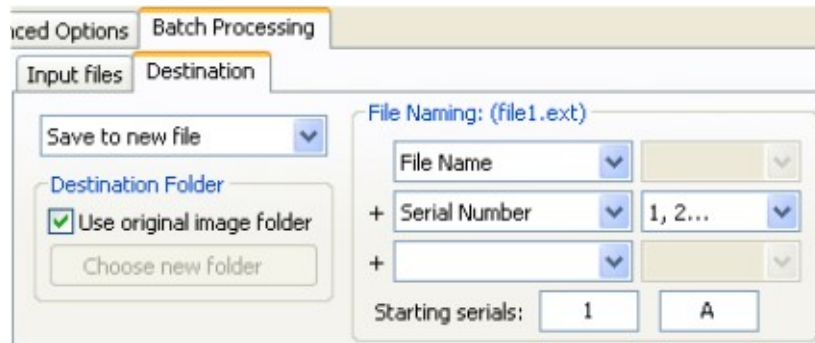
The second step of the Batch Processing process is to select the destination. It includes several options to select the location and names of the saved images.

To choose a destination, you may use the same folder as the original image, or select another folder. To select another folder, simply deselect the Use Original Image Folder checkbox and then click on the Choose New Folder button.

Once the destination is selected, the resized image can overwrite the original file (Overwrite Original) or saved to a new file (Save to a New File). If saved to a new file, a File Name, Serial Letter, Serial Number, and then the extension can be appended to the images. Using the drop down menus, a combination of these options can be used to setup the filename of the target images.

The Serial Letter and Serial Number can start at any point desired that can be specified by you. For example, the starting number can be 1 or the starting letter could be A. **Note:** The sequential letter after Z is AA, AB...AZ, BA,..etc.

Last, a specific extension can be selected for all of the images if Extension is chosen from the drop down menu. If no extension is selected, each file will keep its original extension.

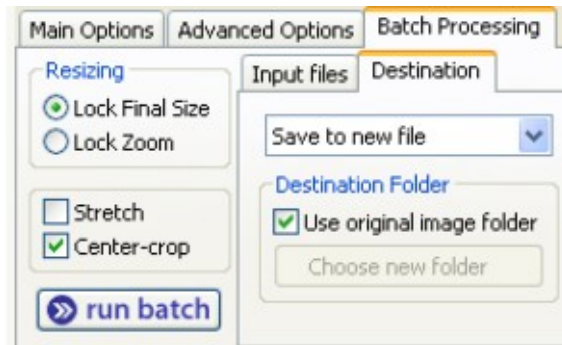


3. Resizing options

The third step is to set the resizing options. There are three resizing options:

1. **Lock Final Size.** To lock all images to the same size as the current image.
2. **Lock Zoom.** To lock the zoom ratio and allow all images to be scaled and maintain the same ratio as the current image.
3. **Stretch/Center Crop.** The Stretch selection allows the image to be stretched. The Center Crop selection allows the image to be cropped in the center. Only one option may be selected. NOTE: A user-defined crop region cannot be set when using the Batch Processing function.

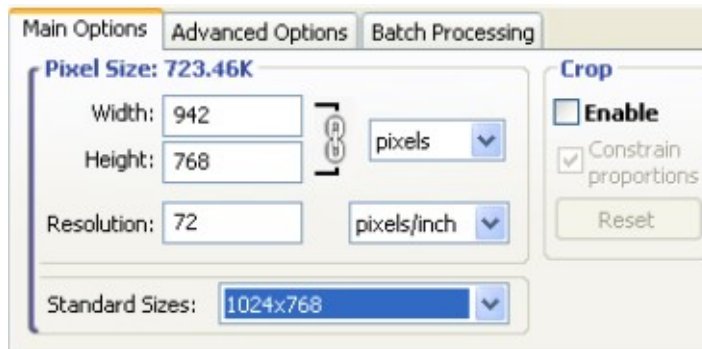
After the resizing options are chosen, click on the Run Batch button to process the selected images.



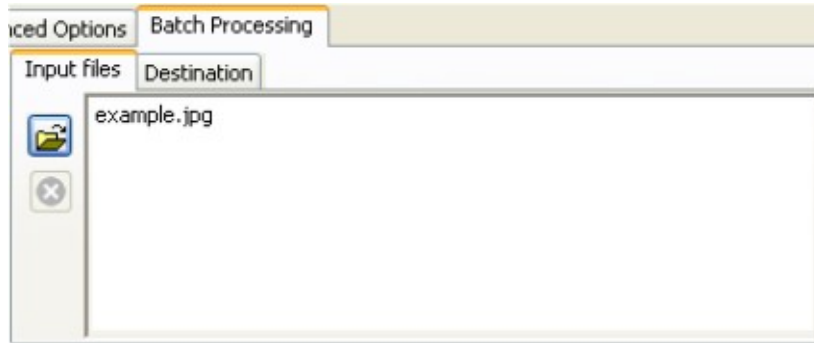
Batch Processing Example

To use the Batch Processing feature on a group of images, follow the example below.

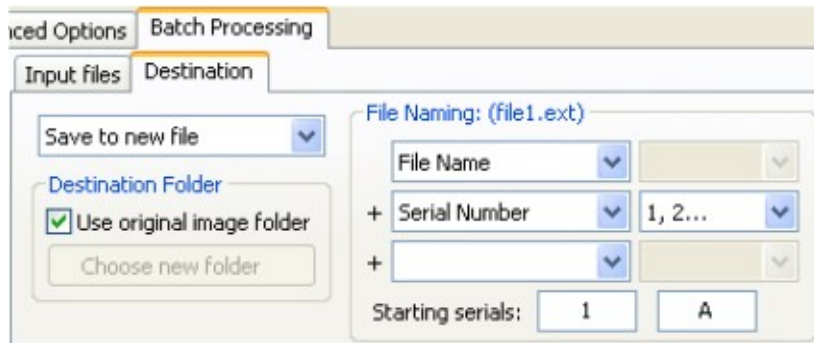
1. Click on the Main Options tab
2. Select the Standard Size from the drop down menu (example 1024x768)



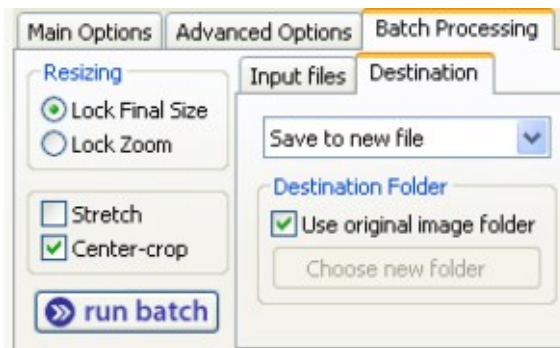
3. Click on the Batch Processing tab
4. Click on the Folder icon and choose the images to be resized



5. Click on the Destination tab
6. Choose the file naming convention for the resized images (File Name for the first selection and Serial Number for the second selection). For the example.jpg file: the resultant files will be example1.jpg, example2.jpg, etc. The extension will follow the original file extension.



7. Click on Lock Final Size option under Resizing. All of the images selected will be resized to the Standard Size selected on the Main Options tab (1024x768)



8. Click on the Run Batch button

IMPORTANT NOTES ABOUT RESHADE

Saved images may appear not to be zoomed

If this happens, try opening the image at actual pixels/full size/100% zoom in your favorite image viewer. These programs try to fit the image to your screen by default, thus shrinking it. An enlarged image using the default settings is almost identical to the original when down-sized again.

Default compression is 90% on JPEGS

When saving in the JPEG format Reshade uses 90% compression as a default. This setting can be changed. Otherwise, please use BMP if you need a lossless format.

Full image is saved

The rectangle on the right image pane represents the selected preview that will be displayed on the left. Reshade doesn't crop images. When saving, the full resized image is stored to disk. If you want to crop the image do this before resizing it with Reshade in your favorite image editor.

Quick preview

Clicking and holding the left mouse button on any of the image panes will show a fast preview of the zoomed image (using the simplest resizing method available). This is NOT what the saved image will look like. The reshaded version will be shown after releasing the mouse button.

Longer delays

With some settings there will be a significant delay in processing the image so the preview will not be refreshed instantly. A progress bar will be displayed at the bottom of the screen.

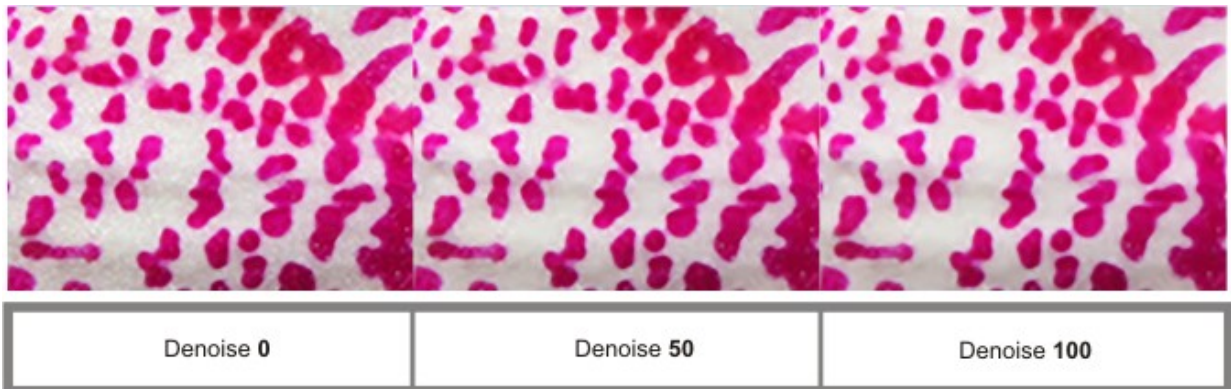
The time needed to save an image is greatly dependent on the settings used. The most time consuming options are zoom and Processing Fidelity. The greater the values for these the longer it will take. Also, selecting "Best Edges" will double the processing requirements.

INFORMATION ABOUT SPECIFIC RESHADE SETTINGS

Denoise

Electronic noise may be present in a digital image. The Denoise feature reduces the amount of electronic noise and smoothes out the image.

The default value for Denoise is 0 and may be increased to 100, depending on how much smoothing is desired for the result.



Zoom: 480%. Other options are set to default or disabled respectively.

Reduce Artifacts

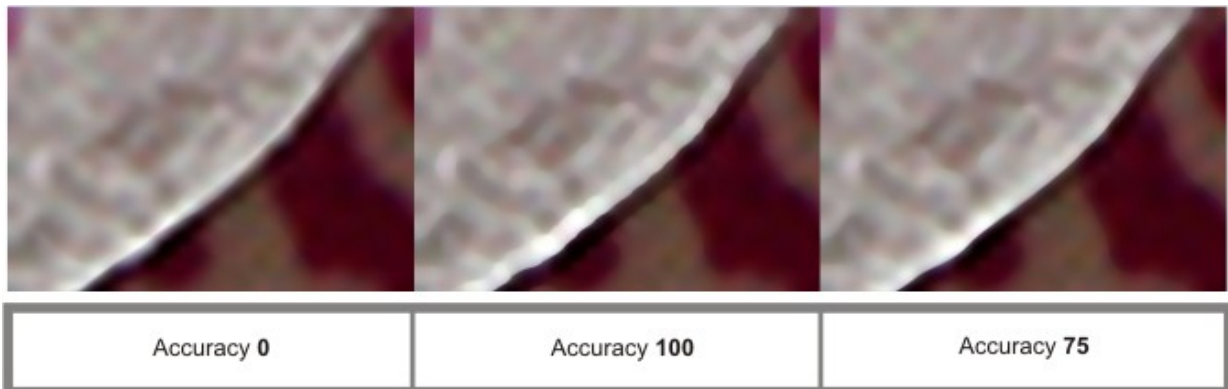
The Reduce Artifacts feature further reduces the amount of electronic noise and smoothes out the image.



Zoom: 480%. Other options are set to default or disabled respectively.

Accuracy

The accuracy setting influences how close in similarity the resized image is to the original. Lower values will allow Reshade to create smoother curves at the cost of precision. At large image sizes, generally it's better to use smaller accuracy. This creates realistic transformations with little loss of precision.



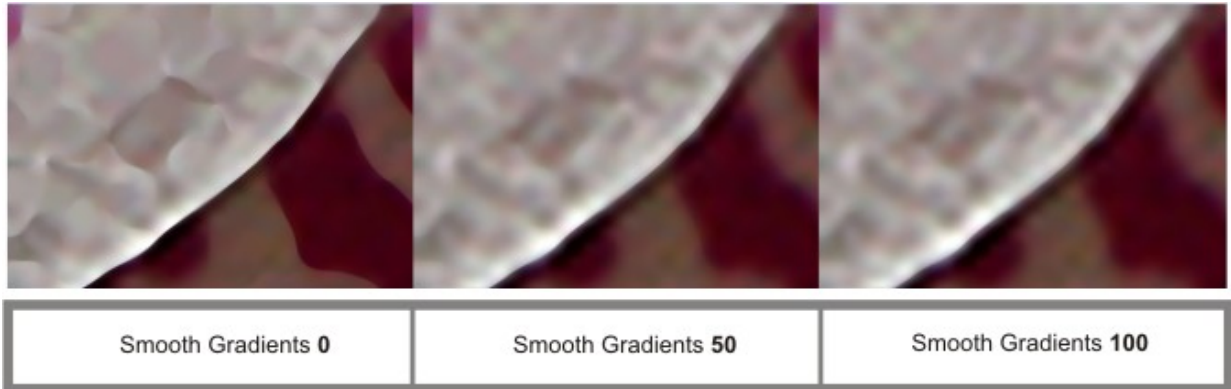
Zoom: 480%

Control: 80

Other options are set to default or disabled respectively.

Smooth Gradients

Sometimes gradients in the image become less smooth. Try increasing “Smooth Gradients” to remove this kind of problems. Large values will keep the soft edges as they are and only sharpen the strong ones.



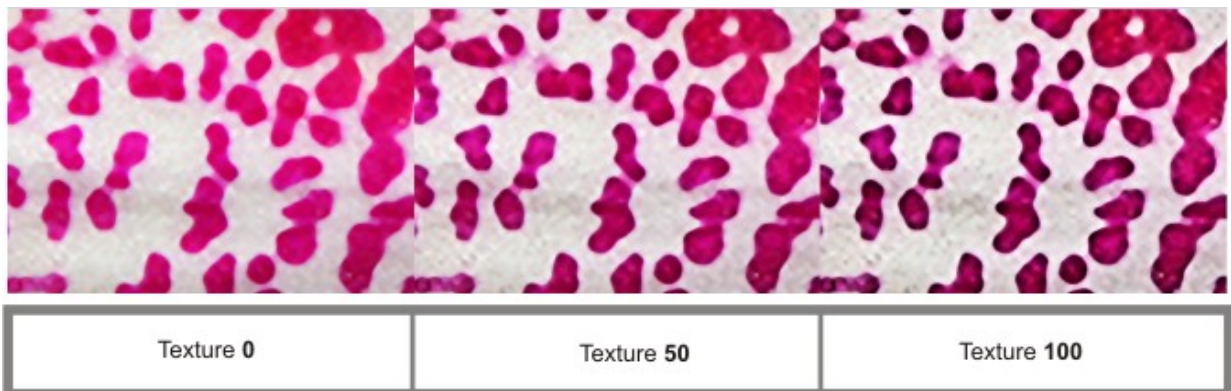
Zoom: 480%

Accuracy: 70

Other options are set to default or disabled respectively.

Texture

The Texture feature sharpens the resized image.

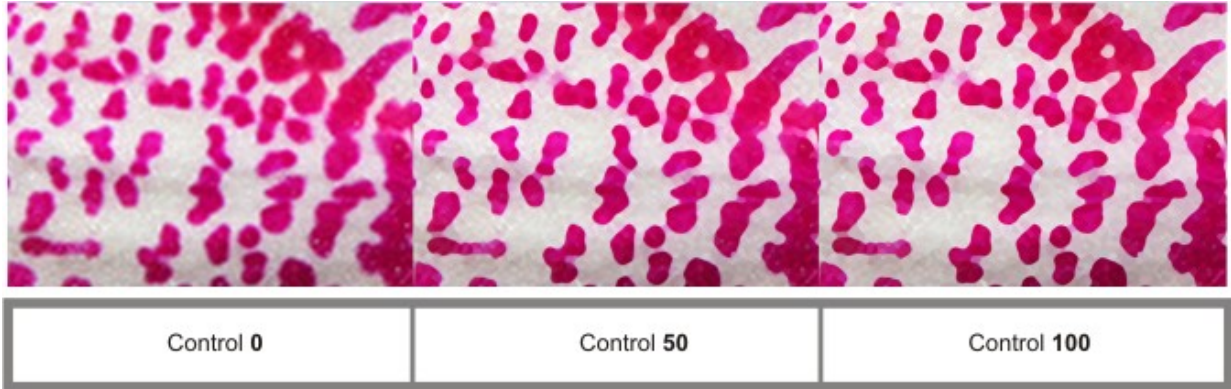


Zoom: 480%

Other options are set to default or disabled respectively.

Control

The Control feature sets the degree at which the image is transformed. Higher values create sharper and more clear edges but with more distortion. A close to optimal value is approximated by using the "Auto adjust" selection.



Zoom: 480%

Other options are set to default or disabled respectively.