**Transparenter User Manual**

**Introduction**

Transparenter is a versatile image processing application specifically designed for internal use within office environments. Developed using Python, Tkinter, and the Rembg library, Transparenter offers a comprehensive set of features tailored to meet the unique needs of office tasks involving image manipulation and editing.

**Requirements:**

- Windows operating system

**Key Features**

1. Image Importing: Transparenter allows users to seamlessly import a wide range of image formats, including JPG, PNG, GIF, BMP, TIFF, and WebP. Whether it's photographs, illustrations, or screenshots, Transparenter provides a user-friendly interface for quickly accessing and editing images.

2. Background Removal: Utilizing advanced algorithms powered by the python Rembg library, Transparenter swiftly eliminates backgrounds, providing clean, transparent images ideal for professional presentations, documentation, and creative projects.
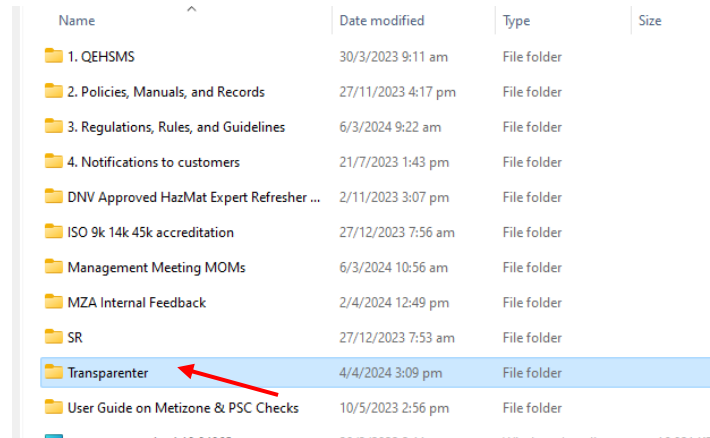
3. Manual Erasing: In addition to automated background removal, Transparenter offers manual erasing capabilities, allowing users to refine and customize images to their exact specifications. Whether it's fine-tuning edges or removing unwanted elements.

4. Selective Color Removal: Users can target specific colors within an image and remove them with precision, allowing for nuanced adjustments and creative enhancements.

**Installation Steps:**

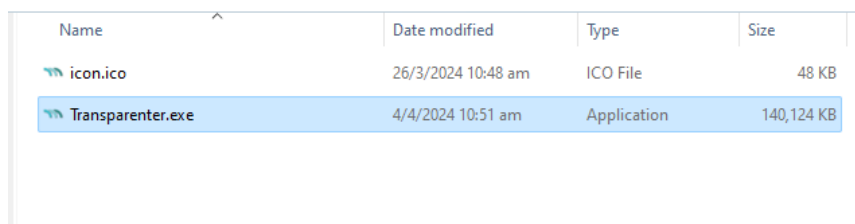1. **Acquire the Application:** Copy the entire "Transparenter" folder to your desktop before use.
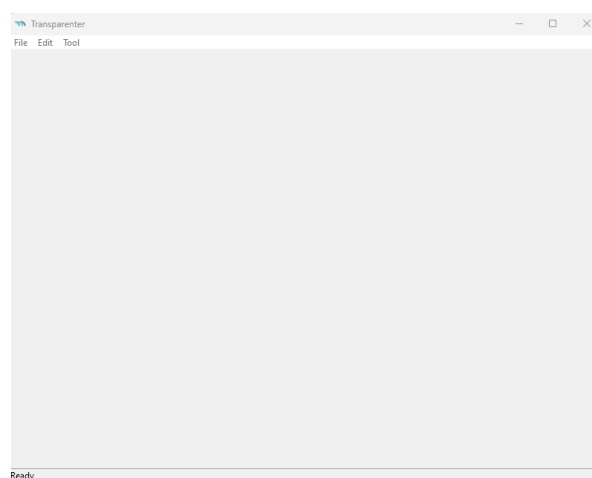
Note: Initial start-up might be slow.



File location: Q:\Transparenter.

2. **Launch the Program:** Double-click on the `Transparenter.exe` file and wait for the window to appear.
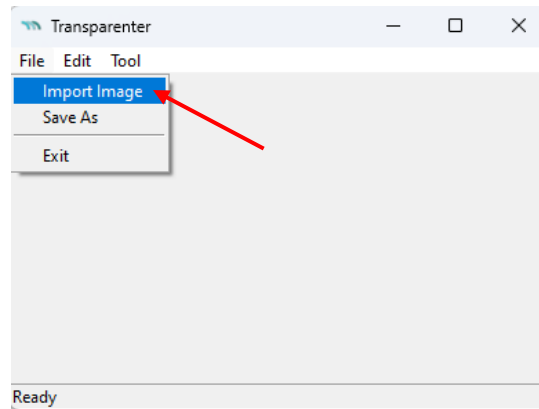


Double click on Transparenter.exe to launch the application.
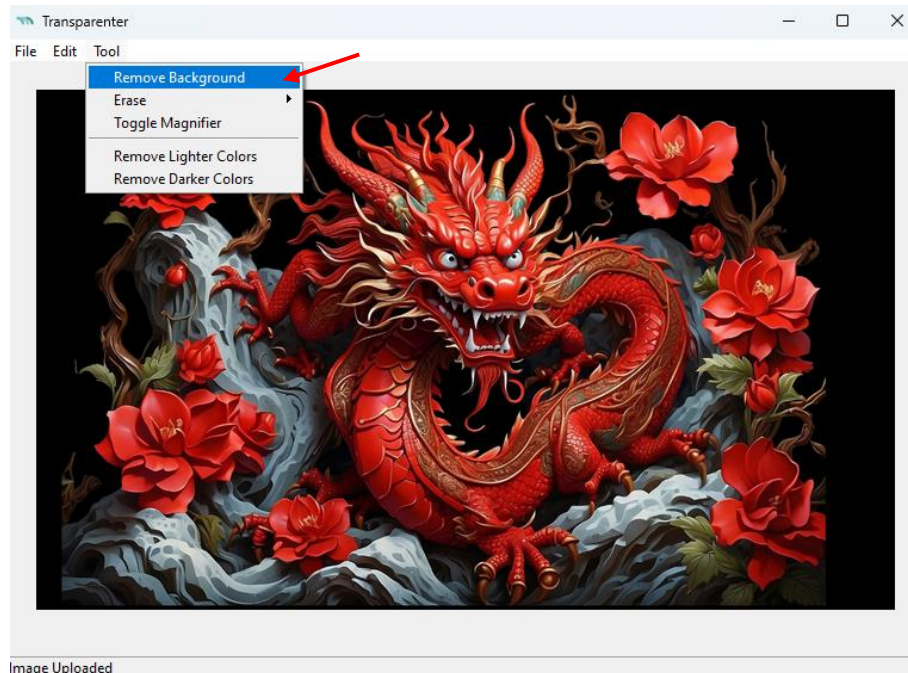


Transparenter.exe

**Usage Guide:**

1. **Import Image:** Navigate to the "File" menu and select "Import Image" to open an image file for editing. Supported image formats include JPG, PNG, GIF, BMP, TIFF, and WebP.



File => Import Image

2. **Remove Background:** After importing an image, swiftly eliminate the background from the image canvas by activating the "Remove Background" functionality. Access it through the "Tool" menu or by right-clicking on the image and selecting "Remove Background."



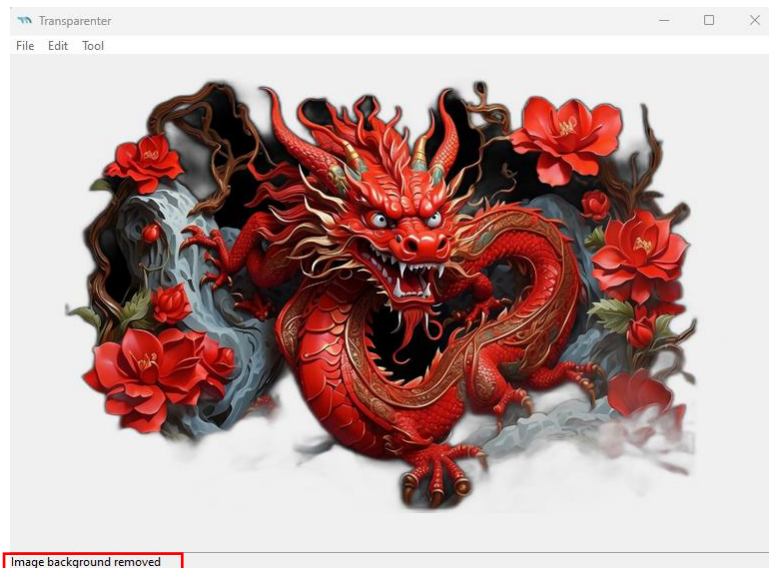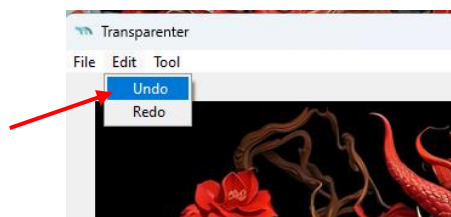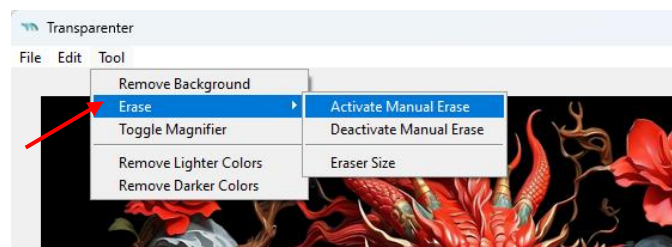Navigate to "Tool" menu => Remove Background

Image Background removed.

3. **Undo/Redo:** Utilize the "Edit" menu to perform undo or redo operations, effectively reverting or reinstating the preceding action.
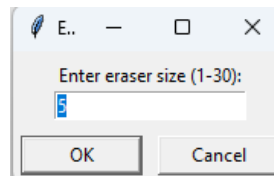


Edit => Undo/Redo

4. **Eraser:** For manual editing tasks, such as erasing leftover portions of the image not removed by the background removal function, access the "Eraser" tool within the "Tool" menu or by right-clicking on the image. Choose "Activate Manual Erase" and specify the eraser size (default = 5). Adjust the eraser size to meet the task requirements by selecting "Eraser Size" in the "Tool" menu. Once erasing is completed, select "Deactivate Manual Erase" to disable the erasing function.
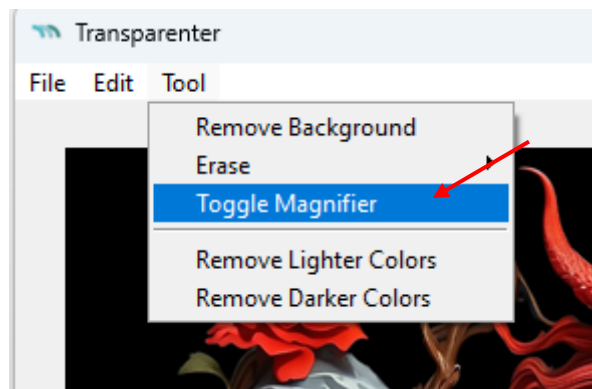


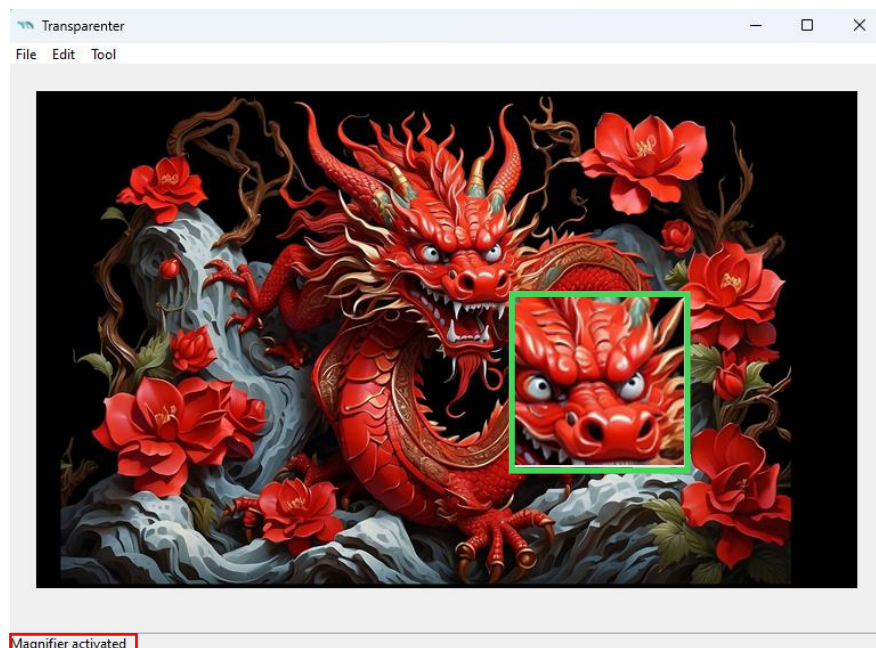Navigate to "Tool" menu => Erase => Activate Manual Erase

Select Eraser Size

5. **Magnifier:** Toggle the magnifier on or off as needed. Activate the magnifier by selecting "Toggle Magnifier" to magnify over a section of the image. To deactivate the magnifier, select "Toggle Magnifier" again.
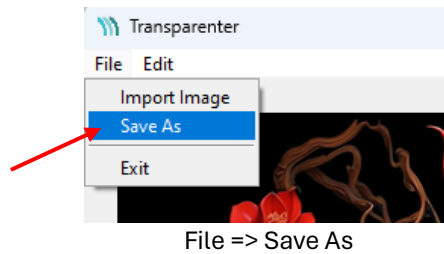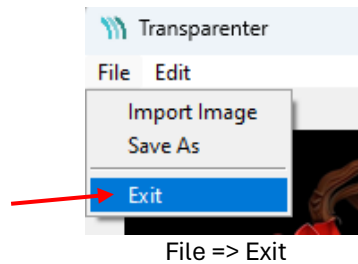

"Tool" menu => Toggle Magnifier


Magnifier on

6. **Saving Processed Image\***: Save the processed image to your preferred location by navigating to the "File" menu and selecting "Save As." For image transparency preservation, choose only .png format.


File => Save As

7. **Exiting the Application**: To exit the program, click on the "File" menu and select "Exit."
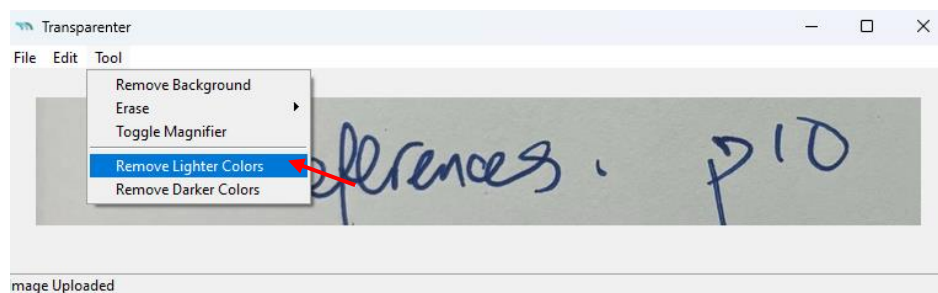

File => Exit

8. **Keyboard Shortcuts:**

- Undo: Ctrl + Z
- Redo: Ctrl + Y
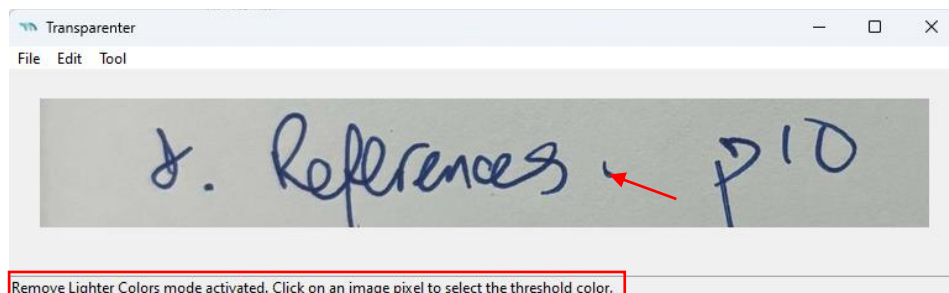- Save As: Ctrl + S
- Exit: Alt + F4

**Additional Note:**

For images with only 2 distinctive colors (e.g., handwritten notes), it is recommended to use the "Remove Lighter Colors" or "Remove Darker Colors" options in the "Tool" menu.
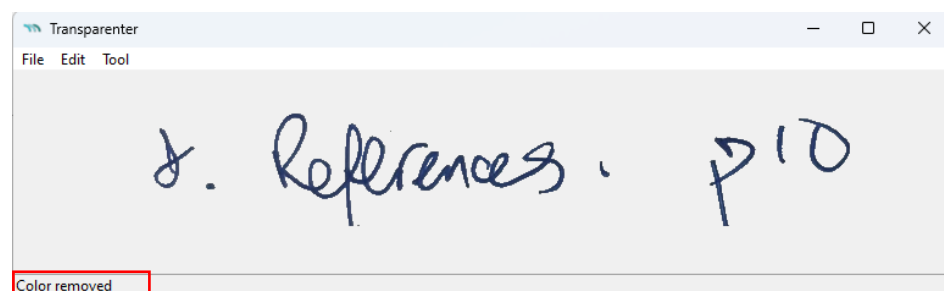
I. **Remove Lighter Colors / Remove Darker Colors**: Navigate to "Tool" menu and select the required option. Click on the pixel in the image to select the threshold color. Application will remove any color with RGB values lighter or darker than the threshold.



Navigate to "Tool" menu => Remove Lighter Colors



Click on pixel in the image to select threshold color.



Colors lighter than the threshold are removed.