

ConvTISP

Convert Images to Scientific Publication

Program created to convert images to grayscale or black-and-white. Resolution of 300 dpi

Compatible Formats:

- **.jpeg .jpg:** JPEG (Joint Photographic Experts Group) is an algorithm designed to compress images with 24-bit depth grayscale. It is usually called JPG due to the extension it has in operating systems that only accept three letters of extension.
- **.png:** Portable Network Graphics is a graphical format based on a lossless compression algorithm for non-patent bitmaps. This format was developed largely to address the deficiencies of the GIF format and allows images with greater depth of contrast and other important data to be stored.
- **.tiff:** TIFF (Tagged Image File Format) is a computer file format for storing bitmap images. It is prevalent in the graphic industry and in professional photography because of its versatility and non-destructive compression.

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Requirements

For Windows (.exe) the necessary libraries are already included

Python 3.x

Python is an interpreted programming language whose philosophy emphasizes a syntax that favors readable code. It is a multiparadigm programming language, as it supports object orientation, imperative programming and, to a lesser extent, functional programming.

Available in: <https://www.python.org/>
Select Version python 3.x

Tkinter 8.6

Tkinter is a binding of the graphical library Tcl/Tk for the Python programming language. It is considered a standard for the graphical user interface for Python and is the one that comes by default with the installation for Microsoft Windows.

To install on Linux run the following command on the terminal:
sudo apt-get install python3-tk

Pillow o PIL 5.2

Python Imaging Library (abbreviated as PIL) (in newer versions known as Pillow) is a free library for the Python programming language that adds support for opening, manipulating and saving many image formats.

To install on Linux run the following command on the terminal:
sudo apt-get install python3-pip
pip3 install Pillow

For more information:
<https://pillow.readthedocs.io/>

Install

Windows

Compatible with:

- Windows 7 32bits
- Windows 7 64bits
- Windows 10 32bits
- Windows 10 64bits

Run the .exe file and follow the installation instructions

Linux, Ubuntu

All Version

Use

Instructions

- Run the program by double-clicking the desktop icon
- Open the image by clicking on "*Select Image*".
- Choose the type of Conversion
- After selecting the image click on "*Convert*".
 - A window will open where you can save the transformed image in the format you want.

Contact

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