

# pyimg2pdf

(C) Mario Becker, Sep 2024

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A commandline tool that collects image file (JPG, PNG, GIF) and stores them into PDF. It is also possible to convert an image file to a corresponding PDF and after successful conversion The .pdf suffix will be appended to the original file name.

NOTE:

You can use option --test that will only show the affected image files but no action will take place!

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## Synopsis

```
pyimg2pdf [--dir <dirname>] [--filemask <mask>] [--sort [<filename>|<timestamp>]
           [-o, --pdf <file>] [--subdirs] [--multiplepdf] [--test]
```

Options:

- |                   |  |
|-------------------|--|
| --dir <dirname>   | Directory for the image files to be stored or converted to PDF.  |
| --filemask <mask> | This is the file mask for the search of the image files in the directory. It can contain wildcards - e.g. imgfile.jpg, *file.*g or *img*.* |
| --sort            | Sort criteria for the image files - either 'filename' or 'timestamp'.  |
| -o, --pdf <file>  | The PDF file where the images are stored.  |
| --subdirs         | If this flag is given the images will also be collected from subdirectories.   |
| --multiplepdf     | If this flag is given every image file will be converted to a separate PDF file. The suffix .pdf will be appended to the file name.        |
| --test            | Shows only the image files - no conversion to .pdf files. This option runs the program in test mode without performing any action.         |
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# Introduction

This commandline program **pyimg2pdf** can be useful if you have a lot of image files like .jpg, .png several folders on the computer and you want to store these files into one or multiple PDF files. They are retained and not modified. If you create multiple PDF files each PDF will have the same name as its source but will have .pdf appended, e.g.

```
myimage.png --> will be named to --> myimage.png.pdf
```

A good option is the `--test` switch that can be used to see what image files will be stored or converted without performing any action. So it will run the program in test-mode.

The program execution can be canceled at anytime by pressing Ctrl+C.

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## Store image files to one PDF file

```
pyimg2pdf --dir <dirname> --filemask <filemask> --o <pdffile>
```

The above command will **store** all image files in the folder <dirname> matching the given <filemask> to the PDF file <pdffile>.

Example 1:

```
pyimg2pdf --dir C:\images --filemask *.png* --o myimages.pdf
```

This command will **store** all .png files in the folder c:\images to the PDF file myimages.pdf sorted by filenames (default).

Example 2:

```
pyimg2pdf --dir C:\images --filemask *.jpg* --o myimages.pdf --sort timestamp
```

This command will **store** all .jpg files in the folder c:\images to the PDF file myimages.pdf sorted by timestamps including sub-folders.

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## Convert image files to multiple PDF files

```
pyimg2pdf --dir <dirname> --filemask <filemask> --multiple
```

The above command will **convert** all image files in the folder <dirname> matching the given <fi corresponding PDF file with the file extension .pdf.

Example 1:

```
pyimg2pdf --dir C:\images --filemask *.gif* --multiplepdf
```

This command will **convert** all .gif files in the folder c:\images multiple PDF files named image1

Example 2:

```
pyimg2pdf --dir C:\images --filemask *.png* --sort timestamp --subdirs --mult
```

This command will **convert** all .png files in the folder c:\images and its subfolders to multiple PDF image1.png.pdf, image2.png.pdf, image3.png.pdf etc. NOTE: the sort option has no effect b contains just one image file.

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## Run Program in Test Mode

The --test option can be used to run the program in **Test-Mode** which means that no physical c performed - only the files affected will be shown.

```
pyimg2pdf --dir <dirname> --filemask <filemask> -o <pdffile> --test
```

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## Show Help or Program Usage

```
pyimg2pdf --usage  
pyimg2pdf --help
```

--usage will display this one pager with a program description and some examples.

--help will display a simple help message showing the synopsis and all program options.

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## Error Messages and Warnings

The program can pop up the following error messages and warnings:

Wrong Sort Name

```
pyimg2pdf --dir C:\images --filemask *.png* --sort filedate  
pyimg2pdf 1.0.6 - (c) Mario Becker, Sep 2024  
[ERROR] Wrong sort argument filedate - must be 'filename' or 'timestamp'
```

In the above case the user specified a wrong sort name `filedate`.

## Wrong Directory for Image Files

```
pyimg2pdf --dir C:\newimages --filemask *.png*  
pyimg2pdf 1.0.6 - (c) Mario Becker, Sep 2024  
[ERROR] Directory 'C:\new_images' does not exist
```

In this example the image directory `C:\new_images` is wrong.

## Wrong PDF Filename

```
pyimg2pdf --dir C:\images --filemask *.png* -o images.pdf --multiplepdf  
pyimg2pdf 1.0.6 - (c) Mario Becker, Sep 2024  
[ERROR] If '--multiplepdf' is set - no PDF filename can be provided
```

Here you cannot use option `multiplepdf` and `-o` together.