

## NAME

ps2any - Convert (nicely) a postscript figure into any ImageMagick-supported format

## SYNOPSIS

```
ps2any I<options> F<input file> F<output file>
ps2any I<options> F<input file> F<output dir>

ps2any I<options> -m <input1> <input2> <input3>
ps2any I<options> -m <input1> <input2> <input3> ... F<output dir>
```

## DESCRIPTION

**ps2any** converts a PostScript file to any image format support by **ImageMagick** (using **convert** ) or **GraphicsMagick** (using **gm convert**). The latter is preferred.

Typically the input file and (optional) output file names are the last two arguments on the command line. The output format is usually specified by the extension of the output file name, but may be specified using the **--format** option.

Instead of an output file name, an output directory name may be specified, indicating that output should be written there. If no output file name is given, the output file name is derived from the input file name.

If multiple files are to be converted at once, the **-m** option must be specified. In this case the output file names are derived from the input file names. The last argument on the command line may be a directory name to which the output files will be written.

**ps2any** is able to handle multi-page PostScript files. By default it converts only the first page. If multiple pages are desired, use the **-p** option to specify the pages. To convert all of them, use the **--all** option. When multiple pages are requested (via the **-p** or **-all** options), each is written to a separate file. The file name has the form

```
base.%F.ext
```

where base is derived from the output (or input) file name and %F is the format specified with the **--pf** option. When a single output page is requested, the output file name will by default *not* contain a page number. (Note that if multiple output images are requested, but only one is output, the output file name will contain the page number.) Sometimes **ps2any**'s simple means of determining the page count fails, in which case the **--npages** option can be used to help it along. Note that this may produce bizarre results if the **-m** option is also specified.

In situations where a uniform file name is required, the **-fpn** option may be specified to force the page number into the file name. For example, if *foo.ps* has a single page,

```
ps2any foo.ps
ps2any -p 1 foo.ps
```

both result in **foo.jpg**, while

```
ps2any -fpn foo.ps
```

results in **foo.001.jpg**.

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## OPTIONS

Options are specified using a getopt style interface. Long names are available when preceded with double hyphens `--`, in which case only the minimal number of characters are required. Options which take values may be separated from those values with the `=` character or by whitespace.

If it exists, the contents of the **\$HOME/.ps2any** file will be inserted into the argument list before any other arguments.

`--all`

Convert all of the pages in the input file.

`--dryrun|-n`

If specified, the commands which would be run are written to the standard error stream, but are not executed. This mode may cause the program to die if it expects output from a command and does not find it.

`--density=float`

This specifies the density in pixels per inch of the image to be generated from the PostScript source. It defaults to 300. It does not determine the density of the final image.

`--extra=string`

Extra options to be passed to **convert**.

`--format=image format`

Usually the output image format is determined from the extension of the output file. However, if multiple input files are provided on the command line, the format must be specified with this option. It defaults to `jpg`. Note that the output files will have this as their extension.

`--fpn`

Force the output file name to have a page number, even if only one page is requested.

`--frame=frame options`

If specified, a frame is drawn around the image with the given color. This is **not** the same as the **convert -frame** option.

`--help`

Output a brief help message and exit.

`--multiple|m`

If specified, all of the command line arguments are input file names. Use the **--format** option to specify the output format.

`--npages=integer`

If **ps2any** is unable to correctly figure out the number of pages in the document, this may help it do so. Using this along with **-m** will cause undocumented madness to ensue.

`--pages|p=page list`

Specify the pages to convert in a multi-page document. By default only the first page is converted. The page list is a comma separated list of page runs, where runs are of the form *n* or *n-m*. For example:

`-p 1-2,4-9,22`

`--pageformat|pf=format`

This specifies the format used to generate the page numbers in the output file names. It defaults to `%03d`.

`--quality=integer`

This specifies the compression level, with 0 the lowest and 100 the best. See the documentation in the **imagemagick** man page. The default value is 95.

`--rotate=float|auto`

The angle (in degrees) by which to rotate the image. If the value is `auto`, it will attempt to rotate landscape images appropriately. The default is `auto`.

`--size=size`

The output image size in pixels. If it is a single integer, that value is used for both the width and height. It may also have the form `<width>x<height>{+offset}`.

`--sharpen=radius`

`--sharpen=radiusxsigma`

Sharpen the image using a Gaussian operator of the given radius and standard deviation (sigma).

`--type=type`

Specify the output image type. This is one of the types supported by the **-type** option to **convert**. At present this is one of :

```
Bilevel      Grayscale
Palette      PaletteMatte
TrueColor    TrueColorMatte
ColorSeparation ColorSeparationMatte
Optimize
```

It defaults to `TrueColor`, as later versions of **convert** seem to like turning transparency on.

`--trim`

If specified, the excess white space around the image is cropped.

`--verbose`

If specified, much ado is made of nothing.

`--version`

If specified, output the version number and exit.

## EXAMPLES

```
ps2any -rotate 90 -size 800 -frame green figure.ps
```

```
ps2any -m *.ps
```

## AUTHOR

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