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## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'pnm2ppa.1' command**

### **\$ man pnm2ppa.1**

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#### NAME

pnm2ppa - convert portable anymap (PNM) images to HP's PPA printer format.  
mat.

#### SYNOPSIS

pnm2ppa [options] [ -i infile ] [ -o outfile ]

#### DESCRIPTION

Reads portable anymap (PNM) format as input. Binary PNM formats pnmraw = {ppmraw (color pixmap), pgmraw (graymap), and pbmraw (black-and-white bitmap)} are strongly preferred. Output stream can be locally processed by Hewlett-Packard's Printing Performance Architecture (PPA) printers (HP DeskJet 710C, 712C, 720C, 722C, 820C, and 1000C series). (PNM format output can be produced from PostScript(tm) input by the GhostScript output devices "pbmraw", "pgmraw" or "ppmraw", or by "pnmraw", which will choose one of these formats as appropriate for the document.)

#### OPTIONS

-b bottommargin

Sets the bottom margin bottommargin in units of 1/600 inches (e.g., -b 150 corresponds to 0.25").

-B blackness

Sets the black ink density blackness in drops per pixel (0,1,2,3,4).

- bi Force bidirectional print sweeps.
- bw Disables the color cartridge; will print in grey scale using only the black cartridge.
- d Displays the current configuration.
- eco Econofast mode: lower print quality that is faster and saves ink.
- f configFile  
Re-reads configuration from configFile (after initially reading it from /etc/pnm2ppa.conf).
- F GammaFile  
Overrides reading the color-correction table (Gamma curve) from the default file /etc/pnm2ppa.gamma, and uses GammaFile instead.
- fd Enable fast ordered dithering instead of using the slower, but beautiful, Floyd-Steinberg dithering. (Has no effect in --bw mode.)
- g Prints a page of color intensity samples (for comparison with gamma.ppm data produced by calibrate\_ppa). This is part of a color-correction procedure; see COLOR.txt for more details.
- h, --help  
Displays program usage.
- i infile  
Input file infile is either a path to a PPM file, or '-' to indicate stdin (defaults to stdin).
- l leftmargin  
Sets the left margin leftmargin in units of 1/600 inches (e.g., -l 150 corresponds to 0.25").
- noGamma  
Switches off any color-correction.
- o outfile | -  
Output file outfile is either a path to a file or device, or '-' to indicate stdout (defaults to stdout).
- p Disables the black ink cartridge; i.e., print using only the color ink cartridge, even for printing "black". This might be

useful for printing high-quality color images.

**-r rightmargin**

Sets the right margin `rightmargin` in units of 1/600 inches (e.g., `-r 150` corresponds to 0.25").

**-s papersize**

Sets the default paper size (now used only for color-correction output produced by the `-g` option). In normal use, `pnm2ppa` now instead reads the paper dimensions from `pnm` input file headers, and checks that it is a valid `papersize` for the given printer model. Possible values for `papersize` are `a4` (A4), `letter` or `us` (US Letter, 8.5"x11"), `legal` (US Legal, 8.5"x14"). The default is US Letter.

**-t topmargin**

Sets the top margin `topmargin` in units of 1/600 inches (ie `-t 150` corresponds to 0.25").

**--uni** Force unidirectional (left to right) print sweeps. Useful if "shearing" is a problem for high quality color images.

**-v printertype**

Selects the printer model. Possible values of `printertype` are: 710, 712, 720, 722, 820 and 1000. The default is the HP DeskJet 7X0 Series (710, 712, 720, 722).

**--verbose**

Displays the program's System Log messages on the standard output, as well.

**--version**

Displays the program's version information.

**-x xoffset**

Sets the x-offset `xoffset` from the left of the page. Units are 1/600 inches.

**-y yoffset**

Sets the y-offset `yoffset` from the top of the page. Units are 1/600 inches.

The default configuration file `/etc/pnm2ppa.conf` is read in first. Command line arguments then modify the resulting definitions. The `-v` option resets all definitions (margins, offsets, etc.) back to the inbuilt defaults for that printer and should be used before subsequent `-b`, `-l`, `-r`, `-t`, `-x` and `-y` arguments.

## SEE ALSO

`pnm(5)`, `ppm(5)`, `pbm(5)`

## FILES

`/etc/pnm2ppa.conf`

Default configuration file.

`/etc/pnm2ppa.gamma`

Default Gamma (color-correction) file.

## AUTHOR

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(c) 1998-1999 Tim Norman

(c) 1999 Giorgio Marzano

(c) 1999 Andrew van der Stock

(c) 1998-2000 Various authors for many, many fixes

## HISTORY

This program was originally `pbm2ppa`, written by Tim Norman. It originally supported black and white output on the 820 series. Tim added nascent color support in early 1999. In May 1999, Giorgio Marzano started making real headway in getting color support working properly. Andrew van der Stock has maintained the code since September 1999, and made it available at <http://sourceforge.net/projects/pnm2ppa>.

## BUGS

Faint horizontal lines marking boundaries between print sweeps may be visible. For best results when printing images, use the options `-p --uni`.

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