

**NAME**

ppmtopgm - convert a portable pixmap into a portable graymap

**SYNOPSIS**

**ppmtopgm** [*ppmfile*]

**DESCRIPTION**

Reads a portable pixmap as input. Produces a portable graymap as output. The output is a "black and white" rendering of the original image, as in a black and white photograph. The quantization formula used is  $.299\ r + .587\ g + .114\ b$ .

Note that although there is a **pgmtoppm** program, it is not necessary for simple conversions from pgm to ppm, because any ppm program can read pgm (and pbm) files automatically. **pgmtoppm** is for colorizing a pgm file. Also, see **ppmtorgb3** for a different way of converting color to gray. And **ppmdist** generates a grayscale image from a color image, but in a way that makes it easy to differentiate the original colors, not necessarily a way that looks like a black and white photograph.

**QUOTE**

Cold-hearted orb that rules the night  
Removes the colors from our sight  
Red is gray, and yellow white  
But we decide which is right  
And which is a quantization error.

**SEE ALSO**

**pgmtoppm(1)**, **ppmtorgb3(1)**, **rgb3toppm(1)**, **ppmdist(1)**, **ppm(5)**, **pgm(5)**

**AUTHOR**

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