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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