## NAME

ra_t8 - convert RADIANCE picture to/from Targa 8-bit image file

## SYNOPSIS

**ra_t8** [ **−d** ][ **−b** ][ **−c ncolors** ][ **−g gamma** ][ **−e +/-stops** ][ **-n sampfac** ] **input** [ **output** ]

**ra_t8 −r** [ **−g gamma** ][ **−e +/-stops** ] [ **input** [ **output** ] ]

## DESCRIPTION

*Ra_t8* converts between RADIANCE and Targa 8-bit color-mapped image files (type 1 in Targa's documentation). In the default mode, a RADIANCE picture is converted to a color-mapped Targa file of the same horizontal and vertical dimensions with 8-bits per pixel. The $-d$ option turns off dithering. The $-b$ option converts the image to black and white. Only with this option can the input be taken from stdin. The $-c$ option allows fewer than 256 colors. The $-g$ option specifies the exponent used in gamma correction; the default value is 2.2. An exponent of 1.0 turns gamma correction off. The $-e$ option specifies an exposure compensation in f-stops (powers of two). Only integer stops are allowed, for efficiency. The $-n$ option specifies a sampling factor for neural network color quantization. This value should be between 1 and 80, where 1 takes the longest and produces the best results in small areas of the image. If no value is given, a faster median cut algorithm is used. The $-r$ option invokes a reverse conversion, from an 8-bit Targa file to a RADIANCE picture. If the output file is missing, the standard output is used.

## AUTHORS

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Anthony Dekker provided the code for neural network color quantization

## BUGS

Run-length encoded files can be read but not written with this program.

## SEE ALSO

pfilt(1), ra_bmp(1), ra_bn(1), ra_ppm(1), ra_pr(1), ra_pr24(1), ra_t16(1), ra_tiff(1), ximage(1)