

**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)