

**NAME**

`ra_gif` - convert RADIANCE picture to Compuserve GIF

**SYNOPSIS**

`ra_gif [ -b ][ -d ][ -c ncolors ][ -g gamma ][ -e +/-stops ][ -n sampfac ] input [ output ]`

**DESCRIPTION**

*ra\_gif* converts from RADIANCE to Compuserve GIF color-mapped, compressed image files. In the default mode, a RADIANCE picture is converted to a color-mapped GIF file of the same horizontal and vertical dimensions with 8-bits per pixel. The *-b* option converts the image to black and white. The *-d* option turns off dithering. The *-c* option allows fewer than 256 colors (and fewer than 8 bits per pixel). 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. 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

**SEE ALSO**

`pfilt(1)`, `ra_bmp(1)`, `ra_bn(1)`, `ra_ppm(1)`, `ra_pr(1)`, `ra_pr24(1)`, `ra_t8(1)`, `ra_t16(1)`, `ra_tiff(1)`, `ximage(1)`