

**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**

Greg Ward

Paul Haeberli

David Rowley

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)`