

**NAME**

`ra_t16` - convert RADIANCE picture to/from Targa 16 or 24-bit image file

**SYNOPSIS**

```
ra_t16 [ -2 ] [ -3 ] [ -g gamma ] [ -e +/-stops ] [ input [ output ] ]
ra_t16 -r [ -g gamma ] [ -e +/-stops ] [ input [ output ] ]
```

**DESCRIPTION**

*Ra\_t16* converts between RADIANCE and Targa 16-bit or 24-bit RGB image files (type 2 in Targa's documentation). In the default mode, a RADIANCE picture is converted to an RGB file of the same horizontal and vertical dimensions with 16-bits per pixel. The `-3` option tells the program to produce a 24-bit image file instead. 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 `-r` option invokes a reverse conversion, from a 16-bit or 24-bit Targa file to a RADIANCE picture. The determination of depth is made automatically on reverse translation, so the `-2` and `-3` options are not necessary. If the output file is missing, the standard output is used.

**AUTHORS**

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**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_t8(1)`, `ra_tiff(1)`, `ximage(1)`