

NAME

`rgbgfx` — Game Boy graphics converter

SYNOPSIS

```
rgbgfx [-DfFhPTv] [-o outfile] [-d depth] [-p palfile] [-t mapfile] [-x tiles]
file
```

DESCRIPTION

The `rgbgfx` program converts PNG images into the Nintendo Game Boy's planar tile format. The arguments are as follows:

- D Debug features are enabled.
- f Fix the input PNG file to be a correctly indexed image.
- F Same as `-f`, but additionally, the input PNG file is fixed to have its parameters match the command line's parameters.
- d *depth*
 The bitdepth of the output image (either 1 or 2). By default, the bitdepth is 2 (two bits per pixel).
- h Lay out tiles horizontally rather than vertically.
- o *outfile*
 The name of the output file.
- p *palfile*
 Raw bytes (8 bytes for two bits per pixel, 4 bytes for one bit per pixel) containing the RGB15 values in the little-endian byte order and then ordered from lightest to darkest.
- P Same as `-p`, but the palette file output name is made by taking the input filename, removing the file extension, and appending `.pal`.
- t *mapfile*
 If any tiles are the same, don't place the repeat tiles in the output file, and make a tilemap file.
- T Same as `-t`, but the tilemap file output name is made by taking the input filename, removing the file extension, and appending `.tilemap`.
- u Truncate repeated tiles. Useful with tilemaps.
- v Verbose. Print errors when the command line parameters and the parameters in the PNG file don't match.
- x *tiles*
 Trim the end of the output file by this many tiles.

EXAMPLES

The following will take a PNG file with a bitdepth of 1, 2, or 8, and output planar 2bpp data:

```
$ rgbgfx -o out.2bpp in.png
```

The following creates a planar 2bpp file with only unique tiles, and its tilemap `out.tilemap`:

```
$ rgbgfx -T -u -o out.2bpp in.png
```

The following will do nothing:

```
$ rgbgfx in.png
```

SEE ALSO

`rgbds(7)`, `rgbasm(1)`, `rgblink(1)`, `rgbfix(1)`, `gbz80(7)`

HISTORY

`rgbgfx` was created by stag019 to be included in RGBDS. It is now maintained by a number of contributors at <https://github.com/rednex/rgbds>.