# TIFFMEDIAN

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## NAME

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|  | tiffmedian − apply the median cut algorithm to data in a TIFF file |

## SYNOPSIS

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|  | **tiffmedian** [ *options* ] *input.tif output.tif* |

## DESCRIPTION

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|  | *tiffmedian* applies the median cut algorithm to an RGB image in *input.tif* to generate a palette image that is written to *output.tif*. The generated colormap has, by default, 256 entries. The image data is quantized by mapping each pixel to the closest color values in the colormap. |

## OPTIONS

|  |  |  |  |  |
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|  | **−c** |  | Specify the compression to use for data written to the output file: **none** for no compression, **packbits** for PackBits compression, **lzw** for Lempel-Ziv & Welch compression, and **zip** for Deflate compression. By default *tiffmedian* will compress data according to the value of the *Compression* tag found in the source file. |  |

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|  | LZW compression can be specified together with a *predictor* value. A predictor value of 2 causes each scanline of the output image to undergo horizontal differencing before it is encoded; a value of 1 forces each scanline to be encoded without differencing. LZW-specific options are specified by appending a ‘‘:’’-separated list to the ‘‘lzw’’ option; e.g. **−c lzw:2** for LZW compression with horizontal differencing. |

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|  | **−C** |  | Specify the number of entries to use in the generated colormap. By default all 256 entries/colors are used. |  |
|  | **−f** |  | Apply Floyd-Steinberg dithering before selecting a colormap entry. |  |
|  | **−r** |  | Specify the number of rows (scanlines) in each strip of data written to the output file. By default, *tiffmedian* attempts to set the rows/strip that no more than 8 kilobytes of data appear in a strip. |  |

## NOTES

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|  | This program is derived from Paul Heckbert’s *median* program. |

## SEE ALSO

|  |  |
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|  | **pal2rgb**(1), **tiffinfo**(1), **tiffcp**(1), **tiffcmp**(1), **libtiff**(3TIFF)  **Color Image Quantization for Frame Buffer Display**, Paul Heckbert, SIGGRAPH proceedings, 1982, pp. 297-307.  Libtiff library home page: **http://www.simplesystems.org/libtiff/** |