# RGB2YCBCR

[NAME](#gjdgxs)

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## NAME

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|  | rgb2ycbcr − convert non-YCbCr TIFF images to a YCbCr TIFF image |

## SYNOPSIS

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| --- | --- |
|  | **rgb2ycbcr** [ *options* ] *src1.tif src2.tif ... dst.tif* |

## DESCRIPTION

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| --- | --- |
|  | *rgb2ycbcr* converts RGB color, greyscale, or bi-level TIFF images to YCbCr images by transforming and sampling pixel data. If multiple files are specified on the command line each source file is converted to a separate directory in the destination file.  By default, chrominance samples are created by sampling 2 by 2 blocks of luminance values; this can be changed with the **−h** and **−v** options. Output data are compressed with the PackBits compression scheme, by default; an alternate scheme can be selected with the **−c** option. By default, output data are compressed in strips with the number of rows in each strip selected so that the size of a strip is never more than 8 kilobytes; the **−r** option can be used to explicitly set the number of rows per strip. |

## OPTIONS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **−c** |  | Specify a compression scheme to use when writing image data: **−c none** for no compression, **−c packbits** for the PackBits compression algorithm (the default), **−c jpeg** for the JPEG compression algorithm, **−c zip** for the deflate compression algorithm, and **−c lzw** for Lempel-Ziv & Welch. |  |
|  | **−h** |  | Set the horizontal sampling dimension to one of: 1, 2 (default), or 4. |  |
|  | **−r** |  | Write data with a specified number of rows per strip; by default the number of rows/strip is selected so that each strip is approximately 8 kilobytes. |  |
|  | **−v** |  | Set the vertical sampling dimension to one of: 1, 2 (default), or 4. |  |

## SEE ALSO

|  |  |
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|  | **tiffinfo**(1), **tiffcp**(1), **libtiff**(3)  Libtiff library home page: **http://www.simplesystems.org/libtiff/** |