

NAME

composite - overlaps one image over another.

SYNOPSIS

magick composite [*options ...*] *change-file base-file* [*mask-file*] *output-image*

OVERVIEW

The **composite** program is a member of the ImageMagick(1) suite of tools. Use it to overlap one image over another.

For more information about the composite command, point your browser to <file:///usr/local/share/doc/ImageMagick-7/www/composite.html> or <https://imagemagick.org/script/composite.php>.

DESCRIPTION

Image Settings:

- affine matrix affine transform matrix
- alpha option on, activate, off, deactivate, set, opaque, copy
 transparent, extract, background, or shape
- authenticate value decrypt image with this password
- blue-primary point chromaticity blue primary point
- colorspace type alternate image colorspace
- comment string annotate image with comment
- compose operator composite operator
- compress type type of pixel compression when writing the image
- decipher filename convert cipher pixels to plain pixels
- define format:option
 define one or more image format options
- depth value image depth
- density geometry horizontal and vertical density of the image
- display server get image or font from this X server
- dispose method layer disposal method
- dither method apply error diffusion to image
- encipher filename convert plain pixels to cipher pixels
- encoding type text encoding type
- endian type endianness (MSB or LSB) of the image
- filter type use this filter when resizing an image
- font name render text with this font
- format "string" output formatted image characteristics
- gravity type which direction to gravitate towards

- green-primary point chromaticity green primary point
- interlace type type of image interlacing scheme
- interpolate method pixel color interpolation method
- label string assign a label to an image
- limit type value pixel cache resource limit
- matte store matte channel if the image has one
- monitor monitor progress
- page geometry size and location of an image canvas (setting)
- pointsize value font point size
- quality value JPEG/MIFF/PNG compression level
- quiet suppress all warning messages
- red-primary point chromaticity red primary point
- regard-warnings pay attention to warning messages
- repage geometry size and location of an image canvas (operator)
- respect-parentheses settings remain in effect until parenthesis boundary
- sampling-factor geometry
 - horizontal and vertical sampling factor
- scene value image scene number
- seed value seed a new sequence of pseudo-random numbers
- size geometry width and height of image
- support factor resize support: > 1.0 is blurry, < 1.0 is sharp
- synchronize synchronize image to storage device
- taint declare the image as modified
- transparent-color color
 - transparent color
- treedepth value color tree depth
- tile repeat composite operation across and down image
- units type the units of image resolution
- verbose print detailed information about the image
- virtual-pixel method
 - virtual pixel access method
- white-point point chromaticity white point

Image Operators:

- blend geometry blend images
- border geometry surround image with a border of color
- bordercolor color border color
- channel mask set the image channel mask
- colors value preferred number of colors in the image
- displace geometry shift image pixels defined by a displacement map

- dissolve value dissolve the two images a given percent
- distort geometry shift lookup according to a absolute distortion map
- extract geometry extract area from image
- geometry geometry location of the composite image
- identify identify the format and characteristics of the image
- monochrome transform image to black and white
- negate replace each pixel with its complementary color
- profile filename add ICM or IPTC information profile to image
- quantize colorspace reduce colors in this colorspace
- rotate degrees apply Paeth rotation to the image
- resize geometry resize the image
- sharpen geometry sharpen the image
- shave geometry shave pixels from the image edges
- stegano offset hide watermark within an image
- stereo combine two image to create a stereo anaglyph
- strip strip image of all profiles and comments
- thumbnail geometry create a thumbnail of the image
- transform affine transform image
- type type image type
- unsharp geometry sharpen the image
- watermark geometry percent brightness and saturation of a watermark
- write filename write images to this file

Image Stack Operators:

- swap indexes swap two images in the image sequence

Miscellaneous Options:

- debug events display copious debugging information
- help print program options
- log format format of debugging information
- list type print a list of supported option arguments
- version print version information

By default, the image format of 'file' is determined by its magic number. To specify a particular image format, precede the filename with an image format name and a colon (i.e. ps:image) or specify the image type as the filename suffix (i.e. image.ps). Specify 'file' as '-' for standard input or output.

SEE ALSO

ImageMagick(1)

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