

**NAME**

composite – overlaps one image over another.

**SYNOPSIS**

**composite-im6.q16** [ *options ...* ] *change-file base-file* [ *mask-file* ] *output-image*

**OVERVIEW**

The **composite-im6.q16** program is a member of the ImageMagick-ims6.q16(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/share/doc/image-magick-6-common/html/www/composite.html> (on debian system you may install the imagemagick-6 package) or <http://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
- channel type      apply option to select image channels
- 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
- 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-im6.q16(1)

## COPYRIGHT

**Copyright (C) 1999-2020 ImageMagick Studio LLC. Additional copyrights and licenses apply to this software, see <file:///usr/share/doc/imagemagick-6-common/html/www/license.html> (on debian system you may install the **imagemagick-6** package) or <http://imagemagick.org/script/license.php>**