

NAME

montage - create a composite image by combining several separate images. The images are tiled on the composite image optionally adorned with a border, frame, image name, and more.

SYNOPSIS

montage *input-file[s] [options] output-file*

OVERVIEW

The **montage** program is a member of the ImageMagick(1) suite of tools. Use it to create a composite image by combining several separate images. The images are tiled on the composite image optionally adorned with a border, frame, image name, and more.

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

DESCRIPTION

Image Settings:

- adjoin join images into a single multi-image file
- 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
- bordercolor color border color
- caption string assign a caption to an image
- colors value preferred number of colors in the image
- colospace type alternate image colorspace
- comment string annotate image with comment
- compose operator composite operator
- compress type type of pixel compression when writing the image
- define format:option
 define one or more image format options
- delay centiseconds display the next image after pausing
- density geometry horizontal and vertical density of the image
- depth value image depth
- display server query font from this X server
- dispose method layer disposal method
- dither method apply error diffusion to image
- encoding type text encoding type

-endian type endianness (MSB or LSB) of the image
-extract geometry extract area from image
-fill color color to use when filling a graphic primitive
-filter type use this filter when resizing an image
-font name render text with this font
-format "string" output formatted image characteristics
-gamma value level of gamma correction
-geometry geometry preferred tile and border sizes
-gravity direction which direction to gravitate towards
-green-primary point chromaticity green primary point
-identify identify the format and characteristics of the image
-interlace type type of image interlacing scheme
-interpolate method pixel color interpolation method
-kerning value set the space between two letters
-label string assign a label to an image
-limit type value pixel cache resource limit
-matte store matte channel if the image has one
-mattecolor color frame color
-mode type framing style
-monitor monitor progress
-page geometry size and location of an image canvas (setting)
-pointsize value font point size
-profile filename add, delete, or apply an image profile
-quality value JPEG/MIFF/PNG compression level
-quantize colorspace reduce colors in this colorspace
-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
-scenes range image scene range
-seed value seed a new sequence of pseudo-random numbers
-set attribute value set an image attribute
-shadow add a shadow beneath a tile to simulate depth
-size geometry width and height of image
-stroke color color to use when stroking a graphic primitive
-support factor resize support: > 1.0 is blurry, < 1.0 is sharp
-synchronize synchronize image to storage device

- taint declare the image as modified
- texture filename name of texture to tile onto the image background
- thumbnail geometry create a thumbnail of the image
- tile geometry number of tiles per row and column
- title string decorate the montage image with a title
- transparent-color color
 transparent color
- treedepth value color tree depth
- trim trim image edges
- 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:

- adaptive-sharpen geometry
 adaptively sharpen pixels; increase effect near edges
- annotate geometry text
 annotate the image with text
- auto-orient automagically orient image
- blur geometry reduce image noise and reduce detail levels
- border geometry surround image with a border of color
- channel mask set the image channel mask
- crop geometry preferred size and location of the cropped image
- distort method args
 distort images according to given method and args
- draw string annotate the image with a graphic primitive
- extent geometry set the image size
- flatten flatten a sequence of images
- flip flip image in the vertical direction
- flop flop image in the horizontal direction
- frame geometry surround image with an ornamental border
- layers method optimize or compare image layers
- monochrome transform image to black and white
- polaroid angle simulate a Polaroid picture
- resize geometry resize the image
- rotate degrees apply Paeth rotation to the image
- scale geometry scale the image
- strip strip image of all profiles and comments

- transform affine transform image
- transpose flip image vertically and rotate 90 degrees
- transparent color make this color transparent within the image
- type type image type
- unsharp geometry sharpen the image

Image Sequence Operators:

- coalesce merge a sequence of images
- composite composite image

Image Stack Operators:

- clone indexes clone an image
- delete indexes delete the image from the image sequence
- duplicate count,indexes
 duplicate an image one or more times
- insert index insert last image into the image sequence
- reverse reverse image sequence
- 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

In addition to those listed above, you can specify these standard X resources as command line options:

-background, -bordercolor, -borderwidth, -font, -mattecolor, or -title.

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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