

ImageMagick Command Line Cheat Sheet

Spark Fire Consulting

Main Commands	Convert/Mogrify-Cont'd	Convert/Mogrify-Cont'd
<p>Convert - See Column to the right</p> <p>Identify - Describes Characteristics of Images</p> <p>Mogrify - Like convert but overwrites existing image</p> <p>Composite - Overlaps one image over another</p> <p>Montage - Tiles images together with optional border</p> <p>Compare - Compares 2 images</p> <p>Stream - Streams images a pixel at a time to storage.</p> <p>Display - Displays and Image</p> <p>Animate - Animates an image on server</p> <p>Conjure - Executes Magick Scripts</p> <p>Quantize - Reduces the colors</p> <p>Remap = Reduces colors in image to colors used</p> <p>// Create a composite of 2 images</p> <p>composite -gravity center image1.gif image2.png out.png</p> <p>// Compress an Image to 80% of quality</p> <p>convert in.img -quality 80% out.img</p> <p>// Compare Two images</p> <p>compare image1.png image2.png</p> <p>Convert/Mogrify</p> <p>// blur an image</p> <p>convert input.png -blur 2x2 output.png</p> <p>// despeckle - removes unwanted noise from img</p> <p>convert input.img -despeckle output.img</p> <p>// dither - reduces color set without quality</p> <p>// dither types include Riemersma/FloydStenberg</p> <p>convert in.png -dither (type)- colors 16 out.png</p> <p>// draw a basic shape</p> <p>convert -draw 'line 10,10 80,90' line.bmp</p> <p>// Resample image to horizontal and verticle resolution</p> <p>convert -resample 100x100 in.png out.png</p>	<p>Convert/Mogrify-Cont'd</p> <p>// Convert Image Type</p> <p>convert image.png image.jpg</p> <p>// Crop an Image from Bottom Left</p> <p>convert image.jpg -crop 700x800-0+1500 output.jpg</p> <p>// Make a Looping Animated GIF from JPGs in a folder</p> <p>convert image*.jpg -delay 10 -loop 0 image.gif</p> <p>// Resize an image</p> <p>convert image.png -resize 50% output.png</p> <p>// Rotate and Image</p> <p>convert image.png -rotate -90 output.png</p> <p>// Create a thumbnail</p> <p>convert image.jpg -geometry 100x100 -quality 100 thumb.jpg</p> <p>// Add a watermark to an image</p> <p>convert image.jpg -font Arial -pointsize 20 -draw "gravity south fill black text 0,12 'SparkFire' fill white text 1,11 'Sparkfire' " wmark_text_output.jpg</p> <p>// Add a label to the southeast corner of an image</p> <p>convert in.png -font Verdana-Regular -pointsize 9 -background '#00000080' -fill lightblue label:'sparkfire.org' miff:- composite -gravity southeast -geometry +0+0 out.png</p> <p>// Turn a PDF into page thumbnails</p> <p>convert in.pdf -geometry 240x240 -trim out.pdf</p> <p>// Convert to Greyscale</p> <p>convert input.img -type grayscale output.img</p> <p>// Auto Adjust Levels</p> <p>convert input.img -auto-level output.img</p> <p>// Mirror an image vertically</p> <p>convert input.img -flip output.img</p> <p>// Mirror an image horizontally</p> <p>convert input.img -flop output.img</p> <p>// List all Supported Formats</p> <p>convert -list format</p> <p>// Concatenate Images Horizontally (-append for Verticle)</p> <p>convert +append image1.png image2.png output.png</p>	<p>Convert/Mogrify-Cont'd</p> <p>// Convert all Images within a directory from jpg to gif</p> <p>mogrify -format gif *.jpg</p> <p>// Shave off one pixel off of all sides of image</p> <p>mogrify -shave 1x1 image.png</p> <p>// Adaptively Blur pixels with less effect at edges</p> <p>convert in.png -adaptive-blur radius[xsigma] out.png</p> <p>// Adaptively Sharpen pixels with less effect at edges</p> <p>convert -adaptive-sharpen radius[xsigma]</p> <p>// Joins images into a single file</p> <p>convert -adjoin input1.png input2.png output.png</p> <p>// Implode an Image (neg value for explode)</p> <p>convert input.img -impode 1 output.img</p> <p>// Change the Quality of an image</p> <p>convert input.img quality 95 output.img</p> <p>//Place the output images in another path (Full Path to folder must be used)</p> <p>mogrify -path Users/name/folder -resize 100x100 *.jpg</p> <p>Batch Processing</p> <p>// Loop through all files of a certain type for file in *.png do (convert); done</p> <p>Usage within PHP</p> <p>// This php would mogrify an image to create a thumbnail of that image</p> <pre><?php \$image = new Imagick('image.jpg'); \$image->thumbnailImage(100, 0); ?></pre>