

PARAMETER	DESCRIPTION	VALUE TYPE	POSSIBLE VALUES (DEFAULT BOLDED)
STYLIZE CONTINUED...			
duotone	Apply duotone effect	list (color)	-
duotone-alpha	Set alpha for duotone	integer	0 - <b>100</b>
htn	Apply half-tone effect	integer	<b>0</b> - 100
mono-chrome	Apply monochrome effect	color	
px	Apply pixelation effect	integer	<b>0</b> - 100
sepia	Apply sepia effect	integer	<b>0</b> - 100
TEXT			
txt	Set text string to render	string	-
txt-align	Set text overlay alignment	list	bottom   center   left   middle   right   top
txt-clip	Set text clipping properties	list	ellipsis   end   middle   start
txt-color	Set text color	color	<b>000000</b>
txt-fit	Set text fit mode	string	max
txt-font	Set text font	font	-
txt-lig	Enable support for ligatures	integer	0   <b>1</b>   2
txt-line	Set text outline width	integer	0
txt-line-color	Set text outline color	color	<b>FFFFFF</b>
txt-pad	Set padding around text	integer	<b>10</b>
txt-shad	Set text shadow strength	number	<b>0</b> - 10
txt-size	Set font size in pixels	integer	<b>12</b>
txt-width	Set text width	integer	0 - 100
txt-x	Set horizontal text position relative to left edge	integer	0 - 100
txt-y	Set vertical text position relative to top edge	integer	0 - 100
TRIM			
trim	Set trim mode	string	auto   color
trim-color	Set trim color	color	
trim-md	Set mean difference threshold for trim=auto	number	<b>11</b>
trim-pad	Set pad for trimmed image	integer	-
trim-sd	Set standard deviation for trim=auto	number	<b>10</b>
trim-tol	Set tolerance for trim=color	number	<b>0</b>
TYPESETTING			
~text	Typesetting endpoint with additional typographic controls		-
txt-lead	Set leading (line spacing) for typesetting endpoint	integer	<b>0</b>
txt-track	Set tracking (letting spacing) for typesetting endpoint	integer	<b>0</b>
WATERMARK			
mark	Add watermark	url   path	-

PARAMETER	DESCRIPTION	VALUE TYPE	POSSIBLE VALUES (DEFAULT BOLDED)
WATERMARK CONTINUED...			
mark-align	Set watermark alignment	list	bottom   center   left   middle   right   top
mark-alpha	Set watermark transparency	integer	0
mark-base	Set watermark base URL	url   path	0 - <b>100</b>
mark-fit	Set how watermark fits to target dimensions	string	<b>clip</b>   crop   fill   max   scale
mark-h	Set watermark height	integer   unit_scalar	2 - 2000   0 - 1
mark-pad	Set watermark padding	integer	<b>5</b>
mark-rot	Set degrees for watermark rotation	number	<b>0</b> - 359
mark-scale	Scales watermark to percentage of base image width	integer	-
mark-tile	Adds tiled watermark	string	grid
mark-w	Sets watermark width	integer   unit_scalar	2 to 2000   0 to 1
mark-x	Sets horizontal watermark position relative to left edge	integer	-
mark-y	Sets vertical watermark position relative to top edge	integer	-
VIDEO			
fm	Set video output format	string	<b>hls</b>   mp4
res	Set video resolution when fm=mp4	string	high   medium   low
video-generate	Set video frame generation mode	string	gif   storyboard   thumbnail
video-gif-fps	Specify video GIF frames per second	time	<b>15</b> - 30
video-gif-time-end	Specify end time for GIF selection	time	<b>5 seconds</b> after video-gif-time-start
video-gif-time-start	Specify start time for GIF selection	time	<b>0</b>
video-storyboard-format	Specify video storyboard format	string	<b>jpg</b>   json   png   vtt
video-thumbnail-time	Specify time for thumbnail frame selection	number	<i>middle of video</i>

View all parameters at [docs.imgix.com/apis](https://docs.imgix.com/apis)



\* Value types for color include hex\_color and color keyword

SCAN TO VIEW ALL PARAMETERS:

# Reference Guide

Version 1 - Last Updated: Apr 2023

PARAMETER	DESCRIPTION	VALUE TYPE	POSSIBLE VALUES (DEFAULT BOLDED)
ADJUSTMENT			
bri	Adjust brightness	integer	-100 - 100 ( <b>0</b> )
con	Adjust contrast	integer	-100 - 100 ( <b>0</b> )
exp	Adjust exposure	integer	-100 - 100 ( <b>0</b> )
gam	Adjust gamma	integer	-100 - 100 ( <b>0</b> )
high	Adjust highlights	integer	-100 - 100 ( <b>0</b> )
hue	Adjust hue	integer	<b>0</b> - 359
invert	Invert colors	boolean	<b>0/false</b>   1/true
sat	Adjust saturation	integer	-100 - 100 ( <b>0</b> )
shad	Adjust shadow tonal mapping	number	<b>0</b> - 100
sharp	Sharpen using luminance	number	<b>0</b> - 100
usm	Sharpen image using unsharp mask	integer	-100 - 100 ( <b>0</b> )
usmrad	Specify radius of unsharp mask	number	-100 - 100 ( <b>2.5</b> )
vib	Adjust vibrance	integer	-100 - 100 ( <b>0</b> )
ANIMATION (Premium Feature)			
fps	Set frames per second	integer	1 to 60
frame	Select frame range (e.g. 5-20)	integer range	-
gif-q	Set gif quality (0 is highest)	integer	-
interval	Keep only every Nth frame	integer	-
loop	Set loop count	integer	<b>0 (infinite)</b>
reverse	Reverse animation playback	boolean	<b>0/false</b>   1/true
skip	Skip every Nth frame	integer	-
AUTO			
auto	Apply automatic enhancements	list	compress   enhance   format   redeye
BACKGROUND REMOVAL (Premium Feature)			
bg-remove	Remove background	boolean	<b>false</b>   true
BLENDING			
blend	Overlay colors, images, text	color   url   path	-

parameter	description	value type	possible values (default bolded)
<b>BLENDING CONTINUED...</b>			
<b>blend-align</b>	Set blend alignment	list	bottom   center left   middle   right   top
<b>blend-alpha</b>	Set blend alpha	integer	<b>0</b> - <b>100</b>
<b>blend-color</b>	Specify a blend color	color	-
<b>blend-crop</b>	Specify crop when blend-fit=crop	list	bottom   faces   left   right   top
<b>blend-fit</b>	Specify the fit mode	string	clamp   <b>clip</b>   crop   scale   max
<b>blend-h</b>	Set blend height	integer   unit_scalar	2 to 8192   0 to 1
<b>blend-mode</b>	Set blend mode	string	darken   multiply   <b>overlay</b>   ...
<b>blend-pad</b>	Apply padding to overlay image	integer	-
<b>blend-size</b>	Inherit width, height, fit, crop of base image	string	inherit
<b>blend-w</b>	Set width of overlay image	integer   unit_scalar	2 - 8192   0 - 1
<b>blend-x</b>	Set x-offset of overlay image	integer	-
<b>blend-y</b>	Set y-offset of overlay image	integer	-
<b>BORDER AND PADDING</b>			
<b>border</b>	Add a border	list (integer, color)	-
<b>border-bottom</b>	Set bottom border	integer	-
<b>border-left</b>	Set left border	integer	-
<b>border-radius</b>	Set outer radius of border	integer   list	-
<b>border-radius-inner</b>	Set inner radius of border	integer   list	-
<b>border-right</b>	Set right border	integer	-
<b>border-top</b>	Set top border	integer	-
<b>pad</b>	Add padding	integer	-
<b>pad-bottom</b>	Set bottom padding	integer	-
<b>pad-left</b>	Set left padding	integer	-
<b>pad-right</b>	Set right padding	integer	-
<b>pad-top</b>	Set top padding	integer	-
<b>COLOR PALETTE</b>			
<b>colors</b>	Set how many colors to include in palette extraction	integer	<b>0</b> - <b>16</b> ( <b>6</b> )

parameter	description	value type	possible values (default bolded)
<b>COLOR PALETTE CONTINUED...</b>			
<b>palette</b>	Specifies output format for palette extraction	string	css   json
<b>prefix</b>	Sets CSS prefix for all classes in palette extraction	string	<b>image</b>
<b>FACE DETECTION</b>			
<b>faceindex</b>	Select face to crop to	integer	-
<b>facepad</b>	Adjust padding around a selected face	number	<b>1</b>
<b>faces</b>	Specify face data to be included for fm=json	integer	1
<b>FILL</b>			
<b>bg</b>	Specify color for any transparent image areas	color	<b>FFF</b>
<b>fill</b>	Set how to fill additional space created by fit	string	solid   blur
<b>fill-color</b>	Set fill color	color	<b>FFF</b>
<b>grid-colors</b>	Set transparency checkerboard grid color	list (color)	<b>DD7DD</b>   <b>FFF</b>
<b>grid-size</b>	Set transparency checkerboard grid size	integer	<b>4</b>
<b>transparency</b>	Add checkerboard behind transparent images	string	grid
<b>FOCALPOINT CROP</b>			
<b>fp-debug</b>	Display reticle identifying focal point location	boolean	true
<b>fp-x</b>	Set the relative horizontal value for focal point	unit_scalar	0 - 1 ( <b>0.5</b> )
<b>fp-y</b>	Set the relative vertical value for focal point	unit_scalar	0 - 1 ( <b>0.5</b> )
<b>fp-z</b>	Set the relative zoom value for focal point	number	<b>1</b> - 100
<b>FORMAT</b>			
<b>ch</b>	Set one or more Client-Hints headers	list	dpr   save-data   width
<b>chroma-sub</b>	Set chroma subsampling rate for JPGs and PJPGs	integer	420   422   444
<b>color-quant</b>	Limit the number of unique colors in an image	integer	2 to 256
<b>cs</b>	Set color space	string	adobergb1998   srgb   strip   tinysrgb
<b>dl</b>	Force image download instead of open	string	<b>original</b> <b>filename</b>
<b>dpi</b>	Set DPI value in EXIF header of JPGs	integer	-
<b>fm</b>	Set output format	string	avif   blurhash   gif   jp2   jpg   json   jxr   jpgg   mp4   png   png8   png32   webm   webp
<b>iptc</b>	Set whether IPTC data should be passed for JPGs	string	allow   <b>block</b>

parameter	description	value type	possible values (default bolded)
<b>FORMAT CONTINUED...</b>			
<b>lossless</b>	Specify that output image should be lossless variant	boolean	<b>0/false</b>   1/true
<b>q</b>	Adjust quality of output image	integer	<b>0</b> - 100 ( <b>75</b> )
<b>MASK</b>			
<b>corner-radius</b>	Set radius value for rounded corner mask	integer   list	-
<b>mask</b>	Set type of mask	string   url   path	ellipse   corners   <i>url</i>
<b>mask-bg</b>	Color background of transparent mask area	color	<b>00FFFFFF</b>
<b>NOISE REDUCTION</b>			
<b>nr</b>	Set noise reduction threshold	integer	-100 - 100 ( <b>20</b> )
<b>nrs</b>	Set amount of sharpening	integer	-100 - 100 ( <b>20</b> )
<b>PDF</b>			
<b>page</b>	Select page from PDF to render	integer	<b>1</b>
<b>pdf-annotation</b>	Display or hide PDF annotation	boolean	0/false   <b>1/true</b>
<b>PIXEL DENSITY</b>			
<b>dpr</b>	Set device pixel ratio	number	<b>1</b> - 5
<b>ROTATION</b>			
<b>flip</b>	Flip image on a specified axis	string	h   v   hv
<b>orient</b>	Set image orientation	integer	<b>0</b>   1   2   3   4   5   6   7   8   90   180   270
<b>rot</b>	Set degrees for rotation	number	<b>0</b> - 359
<b>SIZE</b>			
<b>ar</b>	Set aspect ratio	ratio	-
<b>crop</b>	Set crop mode for fit=crop	list	bottom   edges   entropy   faces   focalpoint   left   right   top
<b>fit</b>	Set how to fit image to target dimensions	string	clamp   <b>clip</b>   crop   facearea   fill   fillmax   max   min   scale
<b>h</b>	Set output height	integer   unit_scalar	2 - 8192   0 - 1
<b>max-h</b>	Set maximum height	integer	1 - 8192
<b>max-w</b>	Set maximum width	integer	1 - 8192
<b>min-h</b>	Set minimum height	integer	1 - 8192
<b>min-w</b>	Set minimum width	integer	1 - 8192
<b>rect</b>	Select sub-region of image for processing	list (integer)	-
<b>w</b>	Sets output width	integer   unit_scalar	2 - 8192   0 - 1
<b>STYLIZE</b>			
<b>blur</b>	Apply Gaussian-style blur	integer	<b>0</b> - 2000