

## remove.bg

### Description

remove.bg allows the automatic removal of image backgrounds. For doing so, it makes use of the equally named chargeable webservice at <https://www.remove.bg>. All kinds of images are supported. Special image processing routines are integrated for images featuring persons, products and cars.

### Compatibility

Switch 2022 Fall and higher.

#### Compatibility third-party applications

For being able to use this app you need an valid remove.bg account. If you don't have such an account, you can create one at [https://www.remove.bg/de/users/sign\\_up](https://www.remove.bg/de/users/sign_up). As soon as an account exists, you have access to your API key (<https://www.remove.bg/profile#api-key>) which has to be entered into the equally named app property.

#### Application discovery details

Not applicable.

### Connections

Remove.bg needs one input connection through which the images which should get processed must come in. On the output side traffic light connections are supported. A success and error data connection and a success log connection. The original image file is send out via either data on success or data on error connection, depending on the result of the image processing. If the processing was successful the requested output file format is send out via the log on success connection.

### Properties detailed info

To gain the best possible results for your individual image workflows, remove.bg offers a number of properties which allow to control the image processing and the generated output.

### Flow elements properties

- **API key**  
The API key of you remove.bg account
- **Image format**  
Result image format:
  - "Auto" = Use PNG format if transparent regions exist, otherwise use JPG format (default),

"PNG" = PNG format with alpha transparency,  
"JPG" = JPG format, no transparency,  
"ZIP" = ZIP format, contains color image and alpha matte image, supports transparency (recommended).

- **Merge color and alpha image**

Merge together color and alpha images to form an image with embedded alpha channel

- **ImageMagick convert CLI path**

File path to ImageMagick convert CLI

- **Image size**

Maximum output image resolution:

"Preview" (default) = Resize image to 0.25 megapixels (e.g. 625x400 pixels) – 0.25 credits per image,

"Full resolution" = Use original image resolution, up to 25 megapixels (e.g. 6250x4000) with formats ZIP or JPG, or up to 10 megapixels (e.g. 4000x2500) with PNG – 1 credit per image),

"Auto" = Use highest available resolution (based on image size and available credits).

- **Image type**

Foreground type:

"Auto" = Automatically detect kind of foreground,

"Person" = Use person(s) as foreground,

"Product" = Use product(s) as foreground.

"Car" = Use car as foreground.

- **Region of interest**

Only contents of this rectangular region can be detected as foreground. Everything outside is considered background and will be removed. The rectangle is defined as two x/y coordinates in the format "<x1> <y1> <x2> <y2>". The coordinates can be in absolute pixels (suffix 'px') or relative to the width/height of the image (suffix '%'). By default, the whole image is the region of interest ("0% 0% 100% 100%").

- **Crop**

Whether to crop off all empty regions (default: false).

Note that cropping has no effect on the amount of charged credits.

- **Crop margin**

Adds a margin around the cropped subject (default: 0).

Can be an absolute value (e.g. "30px") or relative to the subject size (e.g.

"10%"). Can be a single value (all sides), two values (top/bottom and left/right) or four values (top, right, bottom, left). This parameter only has an effect when "crop=true". The maximum margin that can be added on each side is 50% of the subject dimensions or 500 pixels.

- **Scale**

Scales the subject relative to the total image size. Can be any value from "10%" to "100%", or "original" (default). Scaling the subject implies "position=center" (unless specified otherwise).

- **Position**

Positions the subject within the image canvas. Can be "original" (default unless "scale" is given), "center" (default when "scale" is given) or an other value.

- **Channels**

Request either the finalized image ("RGB plus alpha", default) or an alpha mask ("Alpha"). Note: Since remove.bg also applies RGB color corrections on edges, using only the alpha mask often leads to a lower final image quality. Therefore "RGB plus alpha" is recommended.

- **Add background**

Whether to add any of the supported background types.

- **Background color**

Adds a solid color background. Can be a hex color code (e.g. '81d4fa' or 'fff') or a color name (e.g. 'green').

For semi-transparency, 4-/8-digit hex codes are also supported (e.g. '81d4fa77').

- **Background image URL**

Adds a background image from an URL. The image is centered and resized to fill the canvas while preserving the aspect ratio, unless it already has the exact same dimensions as the foreground image.

- **Background image file path**

Adds a background image from a file path. The image is centered and resized to fill the canvas while preserving the aspect ratio, unless it already has the exact same dimensions as the foreground image.

- **Dataset name**

Name of created JSON dataset.