

# Images

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# 1 Help:Images

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This page explains the **image** syntax when editing the wiki. You or another user must usually [upload an image](#) before you can use it on a page.

Images that are stored on a MediaWiki server are usually rendered by using the `File:` namespace prefix (but the legacy `Image:` namespace prefix is still supported as a synonym) as the target of a MediaWiki link. The alternate `Media:` namespace prefix is also usable to reference the original media file content (for rendering or downloading it separately, out of any MediaWiki page).

## 1.1 Supported media types for images

The following file formats are supported by Mediawiki by default:

- `.jpg` or `.jpeg` : bitmap image compressed in the standard JPEG format (this lossy format is most suitable for photographs).
- `.png` : bitmap image in the *Portable Network Graphics* format (specified by the *W3 Consortium*).
- `.gif` : bitmap image in the legacy *Graphics Interchange Format*.

Other formats used on Wikimedia, and commonly enabled elsewhere (These may require extra set up beyond what is enabled by default):

- `.svg` : scalable image in the *Scalable Vector Graphics* format (specified by the *W3 Consortium*). See [Manual:Image\\_Administration#SVG](#).
- `.tiff` : Tagged image format. Often used for high-resolution archival photographs. Often used with [Extension:PagedTiffHandler](#).
- `.ogg`, `.oga`, `.ogv` : Ogg multimedia (audio or video) Not an image format, but treated similarly. Often used with [Extension:OggHandler](#)
- `.pdf` : multipaged documents in the *Portable Document Format* (initially specified by *Adobe*). Often used in conjunction with [Extension:PdfHandler](#)
- `.djvu` : multipaged bitmap documents in the *DejaVu* format (most often, scans of books). See [Manual:How to use DjVu with MediaWiki](#)  
Only a single page of a `.pdf` or `.djvu` file is shown at one time.

Other media types may be supported depending on how Mediawiki is set up. Typically they can be uploaded but not displayed inline unless a helper extension is installed.

## 1.2 Rendering a single image

### 1.2.1 Syntax

The full syntax for displaying an image is:

```
[[File:filename.extension|options|caption]]
```

where *options* can be zero or more of the following, separated by pipes (|):

- **Format** option: one of **border** and/or **frameless**, **frame**, **thumb** (or **thumbnail**);  
Controls how the rendered image is formatted and embedded in the rest of the page.
- **Resizing** option: one of
  - ◆ `{width}px` ? Resizes the image to fit within the given maximum width in pixels, without restricting its height;
  - ◆ `x{height}px` ? Resizes the image to fit within the given maximum height in pixels, without restricting its width;
  - ◆ `{width}x{height}px` ? Resizes the image to fit within the given width and height in pixels;
  - ◆ **upright** ? Resizes an image to fit within reasonable dimensions, according to user preferences (suitable for images whose height is larger than width).  
Note that the image will always retain its aspect ratio, and can only be reduced (not increased) in size unless it's in a scalable media type (bitmap images cannot be scaled up).









spans of text with variable font sizes, or with superscripts and subscripts) to allow the image height to be fully displayed with this alignment constraint.

**Toggle source code view**

```
<p style="border:1px solid #AAA;background:#FF0;padding:0;font-size:150%;line-height:2">
<span style="background:#FFF;color:#000;text-decoration:overline"><u><del>text</del>
'''top:''' [[File:Example.jpg|20px|top]] [[File:Example.jpg|40px|top]] [[File:Example.jpg|40px|border|top]]
</del>text</del></u></span></p>

<p style="border:1px solid #AAA;background:#FF0;padding:0;font-size:150%;line-height:2">
<span style="background:#FFF;color:#000;text-decoration:overline"><u><del>text</del>
'''text-top:''' [[File:Example.jpg|20px|text-top]] [[File:Example.jpg|40px|text-top]] [[File:Example.jpg|40px|border|text-top]]
</del>text</del></u></span></p>

<p style="border:1px solid #AAA;background:#FF0;padding:0;font-size:150%;line-height:2">
<span style="background:#FFF;color:#000;text-decoration:overline"><u><del>text</del>
<sup>super:</sup> [[File:Example.jpg|20px|super]] [[File:Example.jpg|40px|super]] [[File:Example.jpg|40px|border|super]]
</del>text</del></u></span></p>

<p style="border:1px solid #AAA;background:#FF0;padding:0;font-size:150%;line-height:2">
<span style="background:#FFF;color:#000;text-decoration:overline"><u><del>text</del>
'''baseline:''' [[File:Example.jpg|20px|baseline]] [[File:Example.jpg|40px|baseline]] [[File:Example.jpg|40px|border|baseline]]
</del>text</del></u></span></p>

<p style="border:1px solid #AAA;background:#FF0;padding:0;font-size:150%;line-height:2">
<span style="background:#FFF;color:#000;text-decoration:overline"><u><del>text</del>
<sub>'''sub:'''</sub> [[File:Example.jpg|20px|sub]] [[File:Example.jpg|40px|sub]] [[File:Example.jpg|40px|border|sub]]
</del>text</del></u></span></p>

<p style="border:1px solid #AAA;background:#FF0;padding:0;font-size:150%;line-height:2">
<span style="background:#FFF;color:#000;text-decoration:overline"><u><del>text</del>
'''default:''' [[File:Example.jpg|20px]] [[File:Example.jpg|40px]] [[File:Example.jpg|40px|border]]
</del>text</del></u></span></p>

<p style="border:1px solid #AAA;background:#FF0;padding:0;font-size:150%;line-height:2">
<span style="background:#FFF;color:#000;text-decoration:overline"><u><del>text</del>
'''middle:''' [[File:Example.jpg|20px|middle]] [[File:Example.jpg|40px|middle]] [[File:Example.jpg|40px|border|middle]]
</del>text</del></u></span></p>

<p style="border:1px solid #AAA;background:#FF0;padding:0;font-size:150%;line-height:2">
<span style="background:#FFF;color:#000;text-decoration:overline"><u><del>text</del>
'''text-bottom:''' [[File:Example.jpg|20px|text-bottom]] [[File:Example.jpg|40px|text-bottom]] [[File:Example.jpg|40px|border|text-bottom]]
</del>text</del></u></span></p>

<p style="border:1px solid #AAA;background:#FF0;padding:0;font-size:150%;line-height:2">
<span style="background:#FFF;color:#000;text-decoration:overline"><u><del>text</del>
'''bottom:''' [[File:Example.jpg|20px|bottom]] [[File:Example.jpg|40px|bottom]] [[File:Example.jpg|40px|border|bottom]]
</del>text</del></u></span></p>
```

To show the alignment result more clearly, the text spans are overlined and underlined, the line-height is increased to 200% of the font-height, the font-height is emphasized with a yellow background covering the line margins, and the full line-height is shown with a dark gray border; additionally images of different sizes are aligned, including one with an additional border that adds some pixels to its specified dimensions and slightly changes its vertical alignment:

**text top:** [File:Example.jpg](#) [File:Example.jpg](#) [File:Example.jpg](#) [text](#)

**text text-top:** [File:Example.jpg](#) [File:Example.jpg](#) [File:Example.jpg](#) [text](#)

**text super:** [File:Example.jpg](#) [File:Example.jpg](#) [File:Example.jpg](#) [text](#)

**text baseline:** [File:Example.jpg](#) [File:Example.jpg](#) [File:Example.jpg](#) [text](#)

**text sub:** [File:Example.jpg](#) [File:Example.jpg](#) [File:Example.jpg](#) [text](#)

**text default:** [File:Example.jpg](#) [File:Example.jpg](#) [File:Example.jpg](#) [text](#)

**text middle:** [File:Example.jpg](#) [File:Example.jpg](#) [File:Example.jpg](#) [text](#)

**text text-bottom:** [File:Example.jpg](#) [File:Example.jpg](#) [File:Example.jpg](#) [text](#)

**text bottom:** [File:Example.jpg](#) [File:Example.jpg](#) [File:Example.jpg](#) [text](#)





If you change or remove the target link of an image, you will then have to provide somewhere else on your page an explicit link to this description page, or to display the copyright and author statement and a link to the applicable licence, if they are different from the elements applicable to the embedding page itself.

Your wiki policy may restrict the use of the alternate link parameter, or may even enforce a prohibition of alternate link parameters for embedded media files (in which case, the link parameter will be ignored), or may only accept to them after validation by authorized users or administrators.

## 1.3 Rendering a gallery of images

### 1.3.1 Gallery syntax

It's easy to make a gallery of **thumbnails only**, not other images, with the `<gallery>` tag. The syntax is:

```
<gallery>
Image:file_name.ext|caption
Image:file_name.ext|caption
{...}
</gallery>
```

Note that the image code is not enclosed in brackets when enclosed in gallery tags.

Captions are optional, and may contain wiki links or other formatting.

for example:

```
<gallery>
File:Example.jpg|Item 1
File:Example.jpg|a link to [[Help:Contents]]
File:Example.jpg
File:Example.jpg
File:Example.jpg| ''italic caption''
File:Example.jpg|on page "{{PAGENAME}}"
</gallery>
```

is formatted as:

- Example.jpg  
Item 1
- Example.jpg  
a link to [Help:Contents](#)
- Example.jpg
- Example.jpg
- Example.jpg  
*italic caption*
- Example.jpg  
on page "Images"

### 1.3.2 Optional gallery attributes

The gallery tag itself takes several additional parameters, specified as attribute name-value pairs:

```
<gallery {parameters}>
{images}
</gallery>
```

- `caption={caption}`: sets a caption on the gallery.
- `widths={width}px`: sets the widths of the images, default 120px. *Note the plural, widths*
- `heights={heights}px`: sets the (max) heights of the images.
- `perrow={integer}`: sets the number of images per row.
- `showfilename={anything}`: Show the filenames of the images in the individual captions for each image (1.17+)

Example:

Coding:

```
<gallery widths=60px heights=60px perrow=7 caption="sunflowers are groovy">
```





which can be used to link to a potential file, even if it doesn't exist. You can also use:

```
{{FILEPATH:MediaWiki:Image sample}}
```

which generates an external URL to the file inline:

## 1.5 Requisites

Before using images in your page, the system administrator of your wiki must have [enabled file uploads](#) and a user has to [upload the file](#). System administrators may also set the wiki to accept files from [foreign repositories](#), such as the [Wikimedia Commons](#). For server side image resizing it is necessary to have a scaler configured (such as GD2, ImageMagick, etc.).

## 1.6 Files at other websites

You can link to an external file available online using the same syntax used for linking to an external web page. With these syntaxes, the image will not be rendered, but only the text of the link to this image will be displayed.

```
[http://url.for/some/image.png]
```

Or with a different displayed text:

```
[http://url.for/some/image.png link text here]
```

Additional MediaWiki markup or HTML/CSS formatting (for inline elements) is permitted in this displayed text (with the exception of embedded links that would break the surrounding link):

```
[http://www.example.com/some/image.png Example '''<del>rich</del>''' '''<ins>link text</ins>''' here.]
```

which renders as: Example ~~rich~~ [link text](#) here.

If it is enabled on your wiki (see [Manual:\\$wgAllowExternalImages](#)), you can also embed external images. To do that, simply insert the image's url:

```
http://url.for/some/image.png
```

Currently, embedded images cannot be resized, but they may be formatted by surrounding MediaWiki markup or HTML/CSS code.

If this wiki option is not enabled, the image will not be embedded but rendered as a textual link to the external site, just like above.

**Language: English**

