

Sizing your image

The preferred way to set an image size for all backends is:

```
image::flower.jpg[width="300",height="200",pdfwidth="100mm",scaledwidth="50%"]
```

height and width are for html. They are the size of the image file in pixels. They do not change the displayed image size, instead they are used by the browser to reserve space when rendering (see <http://asciidoc.org/docs/user-manual/#images>). The image size for asciidoctor-html is controlled automatically by the default stylesheet, which shows the image at its natural size or reduces it to fit if it is too large for the current window.

pdfwidth applies to asciidoctor-pdf only (see <https://github.com/asciidoc/asciidoc-pdf#image-scaling>).

scaledwidth applies to asciidoctor-fopub, and sizes the image as a percentage of the page width (margin to margin).

*Table 1. Summary of image sizing attributes*

Backend	Absolute	Relative to original image size	Relative to "page" width
asciidoc (html)	width="120" BUG? Works in Firefox, but HTML spec says shouldn't	Not possible	width="50%" (html 4 only)
asciidoc-pdf	pdfwidth="100mm" (or mm, cm, in, px, or pt)	pdfwidth="80%"	pdfwidth="50vw"
asciidoc-fopub (pdf)	width="100mm" (or mm, cm, in, em or pt)	width="80%"	scaledwidth="50%"

You can use attributes to make a document suitable for all backends:

```
ifdef::html[]
:twoinches: width="144"
:full-width: width="100%"
:half-width: width="50%"
:half-size:
:thumbnail: width="60"
endif::[]
ifdef::pdf[]
:twoinches: pdfwidth="2in"
:full-width: pdfwidth="100vw"
:half-width: pdfwidth="50vw"
:half-size: pdfwidth="50%"
:thumbnail: pdfwidth="20mm"
endif::[]
ifdef::docbook[]
:twoinches: width="50mm"
:full-width: scaledwidth="100%"
:half-width: scaledwidth="50%"
:half-size: width="50%"
:thumbnail: width="20mm"
endif::[]
```

Then specify your images as:

```
image::image.jpg[{half-size}]
```

and set the appropriate attribute from the command line when you convert the document:

```
asciidoctor -a html -b html imagesizing.adoc
asciidoctor-pdf -a pdf imagesizing.adoc
asciidoctor -a docbook -b docbook imagesizing.adoc
```

**NOTE**

The way image sizes are specified may be changing (<http://discuss.asciidoctor.org/Unit-of-measure-for-image-dimensions-td3040.html#a3222>). Attributes are good way to future-proof your document.