

# Sizing your image

The preferred way to set the image size in all output formats 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://asciidoctor.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 and can set the image size in a variety of ways (see <https://github.com/asciidoctor/asciidoctor-pdf#image-scaling>).

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

You can size images in other ways, but the attributes you need depend on the backend:

*Table 1. Image sizing methods*

Backend	Absolute	Relative to original image size	Relative to "page" width
asciidoctor (html)	width="120"	Not possible	width="80%"
asciidoctor-pdf	pdfwidth="100mm" (or mm, cm, in, px, or pt)	pdfwidth="80%"	pdfwidth="60vw"
asciidoctor-fopub (pdf)	width="100mm" (or mm, cm, in, em, pc or pt)	width="80%"	scaledwidth="80%"

Using attributes is the most flexible way to make a single source file suitable for all backends:

```

ifdef::html[]
:not-sized:
:twoinches: width="144"
:full-width: width="100%"
:half-width: width="50%"
:half-size:
:thumbnail: width="60"
endif::[]
ifdef::pdf[]
:not-sized:
:twoinches: pdfwidth="2in"
:full-width: pdfwidth="100vw"
:half-width: pdfwidth="50vw"
:half-size: pdfwidth="50%"
:thumbnail: pdfwidth="20mm"
endif::[]
ifdef::docbook[]
:not-sized:
: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[title="Title", {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.