

# The fancyqr package

Florian Sihler



Version v2.0 – 2024/04/13

`fancyqr` is a simple package to create fancy qr codes with the help of the `qrcode`-package. You can use the `\fancyqr`-macro just like the normal `\qrcode`.<sup>1</sup>

If you do want to hide a center square (e.g. because you want to embed an image) you can use `\FancyQrDoNotPrintSquare{<x>}{<y>}` to hide a rectangle with radius `x` and `y` set from the center. If you choose this option, the default `\FancyQrRoundCut` that rounds cut corners can be changed with `\FancyQrHardCut`. At the moment, there are six other styles for the qr-code `flat`, `frame`, `blobs`, `glitch`, and `dots`, that you can load (locally) by using `\FancyQrLoad{<name>}`. The default style is named `default` and can be 'reset' by `\FancyQrLoad{default}` or `\FancyQrLoadDefault`.

All of the extra qr-options (you can set all of them with `\fancyqrset{<keys>}`) are showcased in Table 1. The defaults are set like this:

```
\fancyqrset{image padding=0,gradient=true,
            gradient angle=135,r color=teal,l color=purple}
```

Consider the following example (uses `fontawesome` for the symbol, but you can use include images, ...):

```
\fancyqr[image=\huge\faGithub,image padding=1,color=black
!90!gray]{https://github.com/EagleoutIce/fancyqr}
```

Which produces:



---

<sup>1</sup>`\fancyqr[<qr-options>]{<url>}`

Option	Type	Default	Explanation
<code>image</code>	L <sup>A</sup> T <sub>E</sub> X		Automatically center an image. <sup>2</sup>
<code>image padding</code>	number		Additionally hide blocks (x & y) around the image.
<code>image x padding</code>	number	0	Additionally hide blocks (x) around the image.
<code>image y padding</code>	number	0	Additionally hide blocks (y) around the image.
<code>gradient color</code>	boolean color	<b>true</b>	Toggle the color gradient Disables the <code>gradient</code> and sets the color accordingly.
<code>l color</code>	color	<b>purple</b>	Set the top left gradient color.
<code>left color</code>	color		Alias for <code>l color</code> .
<code>r color</code>	color	<b>teal</b>	Set the bottom right gradient color.
<code>right color</code>	color		Alias for <code>r color</code> .
<code>gradient angle</code>	angle	135	Change the gradient angle.
<code>random color</code>	colors		Allow to set a random color pool to pick from.
<code>width</code>	length		Alias for <code>qrcode's height</code> option.
<code>size</code>	length		Alias for <code>qrcode's height</code> option.

Table 1: Overview of special qr-options.

---

<sup>2</sup>The package will automatically calculate the required `\FancyQrDoNotPrintSquare` (you have to make sure that the qr code still has enough information to be readable). Therefore, the image will not scale with the qr code.