

# QR codes

[German Wikipedia Article](#), [English Wikipedia Article](#)

To grant quick access to information in the IQ wiki, QR codes can be used. This has multiple benefits:

- it's much quicker than any other method
- there is no need to type anything
- no need to click through the wiki
- if you don't know what something is called, you can still find the information easily
- it's based around your phone, so no need to go to the next pc

## How to make one

1. Choose the article/website you want to link to and copy its URL
2. Open a qr code generator. There are many options, the one I used is <http://goqr.me>
  1. select URL as type
  2. paste your URL
  3. click on download
  4. set the boundaries to 0
  5. set the size to the maximum value
  6. leave everything else as is
  7. download as png
3. Print the QR code on a 24mm dymo label

## Possible issues

### URL too long

The longer the URL is, the larger your QR code becomes. The size of the QR code is limited by the maximum size of the dymo printer as well as the size of the object to which the label should be attached. This in return limits the maximum possible length of the URL.

As a possible solution, URL shorteners like bit.ly or tinyurl could be used. This shouldn't be done though, as these are external services.

## Possible Future

## iQR

iQR ([English Wikipedia](#), [German](#)) is an alternative 2D code standard which evolved from QR Codes. It allows for higher efficiency and rectangular form factor. This would allow for longer URLs being printed on dymo labels without having to increase the width of the label.

Only few QR code scanners support iQR, so it's currently no convenient option.

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