

# Generating QR Codes

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Figure 1: QR Code

**qrencode**

## WiFi QR Codes

Replace ssid and password with the appropriate values.

```
qrencode -o qr.png "WIFI:T:WPA;S:ssid;P:password;;"
```

## URLs

```
qrencode -o qr.png "https://example.com"
```

## Printing

I have a Brother HL-L2300D laser printer<sup>1</sup> which has a native print resolution of 600 DPI. I'd like to be able to print my QR code on a standard US letter-size piece of paper. According to

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<sup>1</sup>Hello World

the manual, the minimum margins on the Brother HL-L2300D are 0.16", so I figure an 8" QR code gives me 0.25" of margin, which<sup>2</sup> is plenty. Divided by 25, that's 192 pixels per dot.

Generate the QR code:

```
qrencode -o qr.png -s 192 -m 0 -d 600 "whatever"
```

-s Size of each dot in pixels  
-m Margin in dots  
-d DPI  
-o Output file

And print it:

```
lpr qr.png
```

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<sup>2</sup>I have a Brother HL-L2300D laser printer<sup>1</sup> which has a native print resolution of 600 DPI. I'd like to be able to print my QR code on a standard US letter-size piece of paper. According to the manual, the minimum margins on the Brother HL-L2300D are 0.16", so I figure an 8" QR code gives me