

target practice

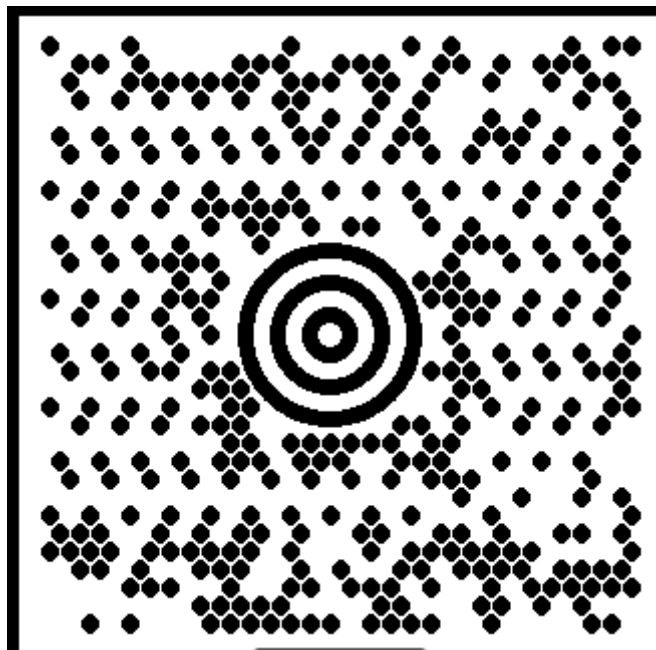
Description

Category Warmups

"Can you hit a moving target?"

Note, this flag contains only 24 hexadecimal characters."

We get a file to download that is a gif.



Each of the dots moves as it runs through the individual images making them appear to move.

Lets look at separating the individual gif images. Some searching and I found this website that utilised graphicsmagick

<https://www.addictivetips.com/ubuntu-linux-tips/extract-frames-from-gifs-linux/>

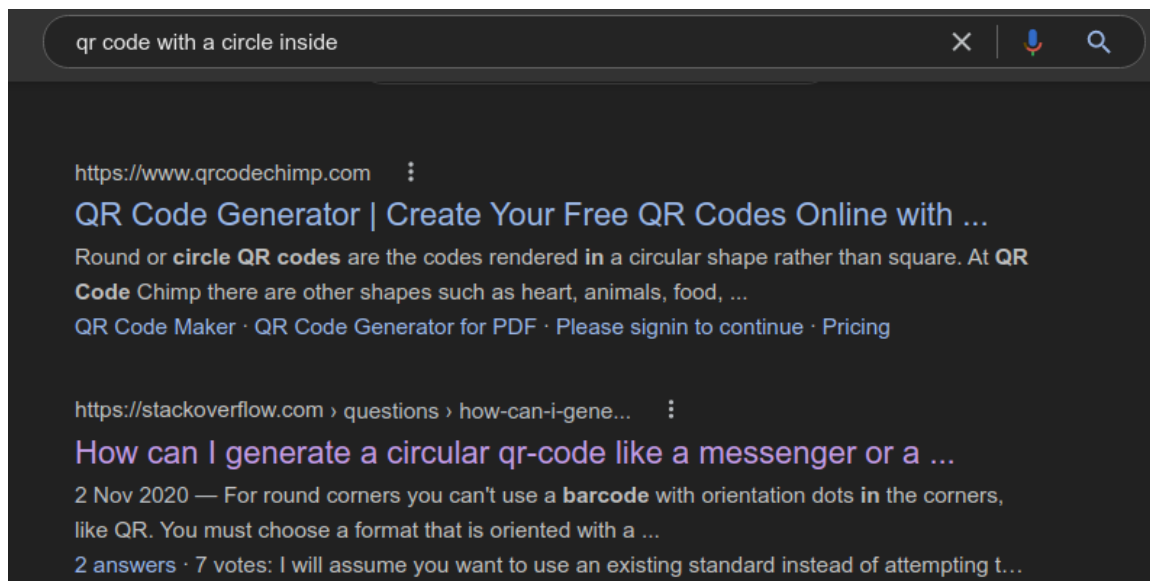
Once installed it was just a matter of creating a new folder, copying the original gif over and finally running graphicsmagick.

```
$ mkdir tp
~/Downloads/tp]
$ cp target_practice.gif tp/
~/Downloads/tp]
$ cd tp/
~/Downloads/tp/tp]
$ ls
target_practice.gif
~/Downloads/tp/tp]
$ gm convert target_practice.gif -coalesce +adjoin GIF_Frame%3d.png
~/Downloads/tp/tp]
```

```
$ ls
'GIF_Frame 0.png' 'GIF_Frame 17.png' 'GIF_Frame 4.png'
'GIF_Frame 10.png' 'GIF_Frame 18.png' 'GIF_Frame 5.png'
'GIF_Frame 11.png' 'GIF_Frame 19.png' 'GIF_Frame 6.png'
'GIF_Frame 12.png' 'GIF_Frame 1.png' 'GIF_Frame 7.png'
'GIF_Frame 13.png' 'GIF_Frame 20.png' 'GIF_Frame 8.png'
'GIF_Frame 14.png' 'GIF_Frame 21.png' 'GIF_Frame 9.png'
'GIF_Frame 15.png' 'GIF_Frame 2.png' target_practice.gif
'GIF_Frame 16.png' 'GIF_Frame 3.png'
```

What I did next was to import them all into Inkscape and then set their opacity to so that I could see all the images (one on top of the other) in the hope that it would create a single QR code I could read.

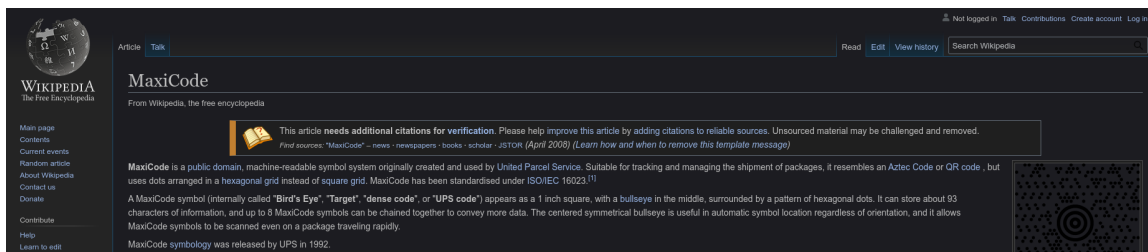
All to no avail. Next I searched for QR codes with a circle in the middle.



This led me to find a similar image. Looks like they type is called Maxicode.

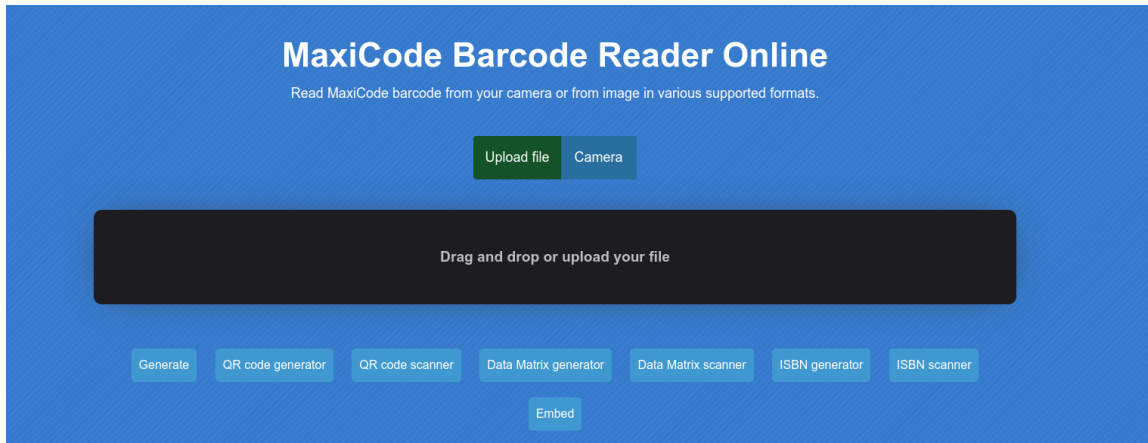


Wikipedia to the rescue.



After that a quick search for online Maxicode barcode online reader and [#boom](#)

<https://products.aspose.app/barcode/recognize/maxicode#>



Reading the images from 21 down (good choice) gave me the flag on number 15.



Flag:

flag{385e3ae5d7b2ca2510be8ef4}

