

If we use a hex Editor, we can see that this is a JPG image by looking at the header. We have to recover the image by editing the magic numbers. Here is how :

1. Upload the image on <https://hexed.it/>
2. Edit the file :

```
5C 78 FF E0 00 10 4A 46 49 46 00 01 01 00 00 01 \x \x \x JFIF.....
00 01 00 00 FF DB 00 43 00 08 06 06 07 06 05 08 .... .C.....
07 07 07 09 09 08 0A 0C 14 0D 0C 0B 0B 0C 19 12 .....
13 0F 14 1D 1A 1F 1E 1D 1A 1C 1C 20 24 2E 27 20 ..... $. '
22 2C 23 1C 1C 28 37 29 2C 30 31 34 34 34 1F 27 ",#..(7),01444. '
```

```
FF D8 FF E0 00 10 4A 46 49 46 00 01 01 00 00 01 + \x \x JFIF.....
00 01 00 00 FF DB 00 43 00 08 06 06 07 06 05 08 .... .C.....
07 07 07 09 09 08 0A 0C 14 0D 0C 0B 0B 0C 19 12 .....
13 0F 14 1D 1A 1F 1E 1D 1A 1C 1C 20 24 2E 27 20 ..... $. '
22 2C 23 1C 1C 28 37 29 2C 30 31 34 34 34 1F 27 ",#..(7),01444. '
39 3D 38 32 3C 2E 33 34 32 FF DB 00 43 01 09 09 9=82<.342 .C...
```

Now open the image and copy the message

THE FLAG : picoCTF{r3st0r1ng_th3_by73s_2326ca93}
~Z4que