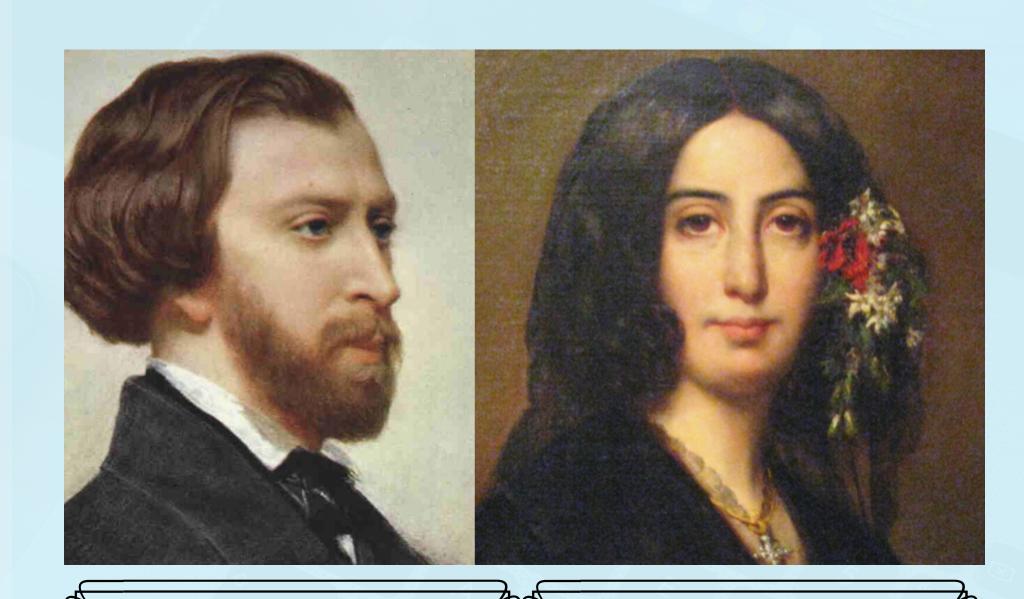
# Steganographie

L'ART DE DISSIMULER DES DONNÉES

**Matthieu Meurant** 

STEGANOS = COUVERT GRAPHEIN = ÉCRIRE



Alfred de Musset

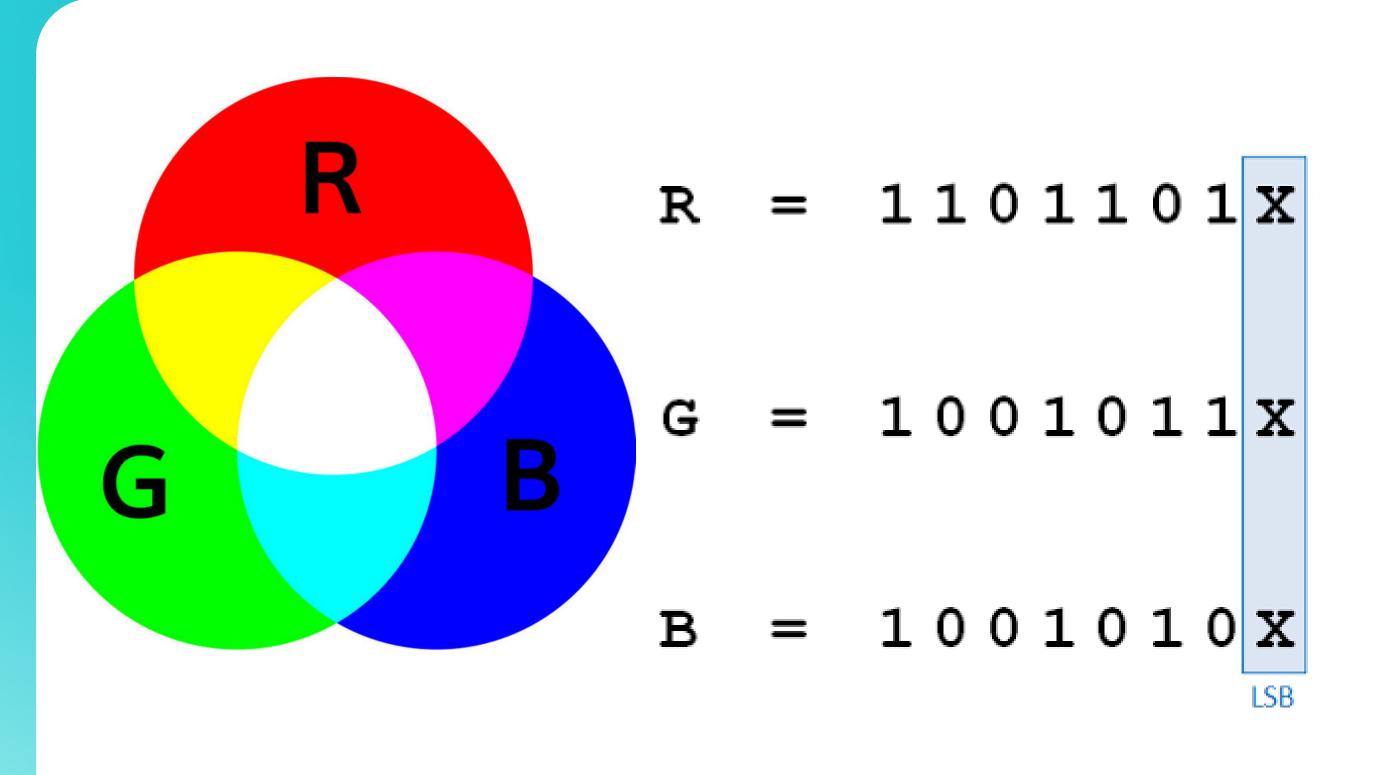
George Sand

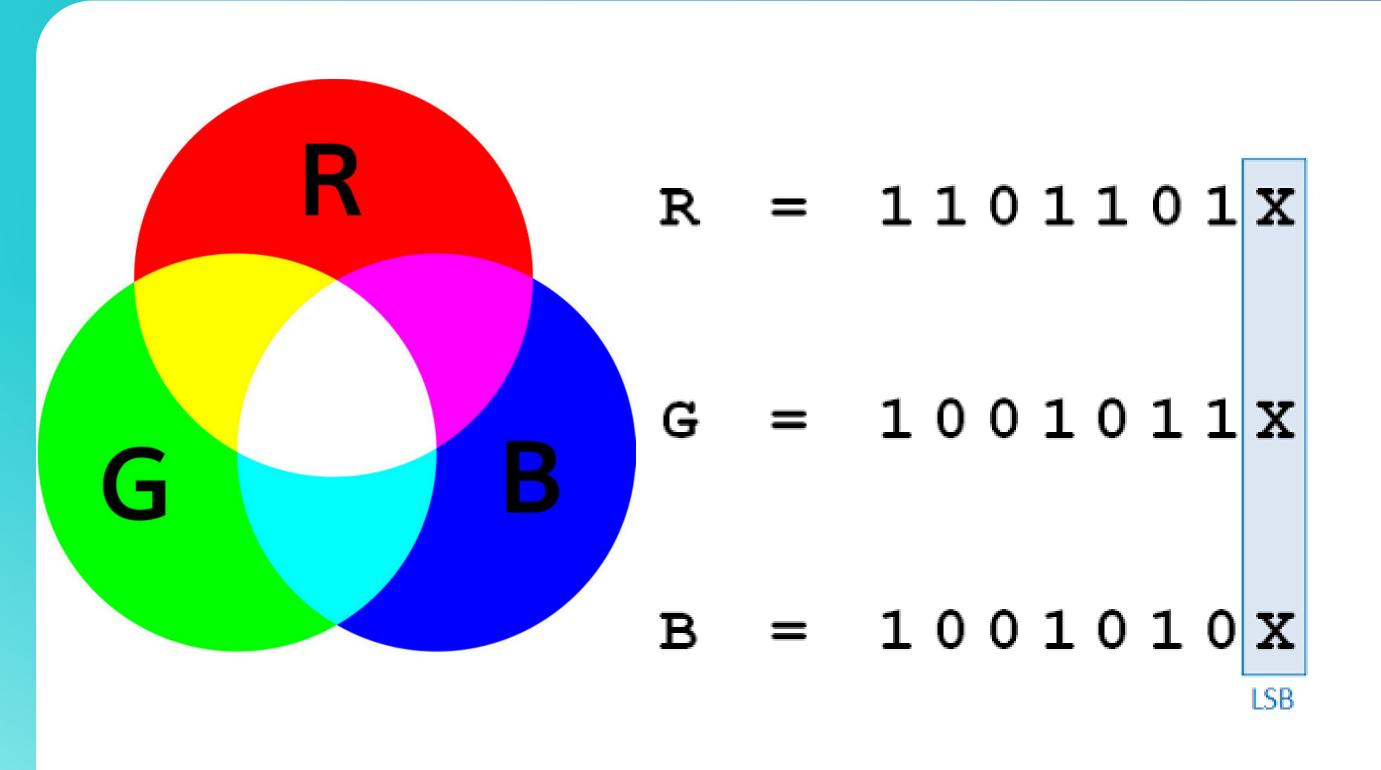
### So many ways



## Microdot



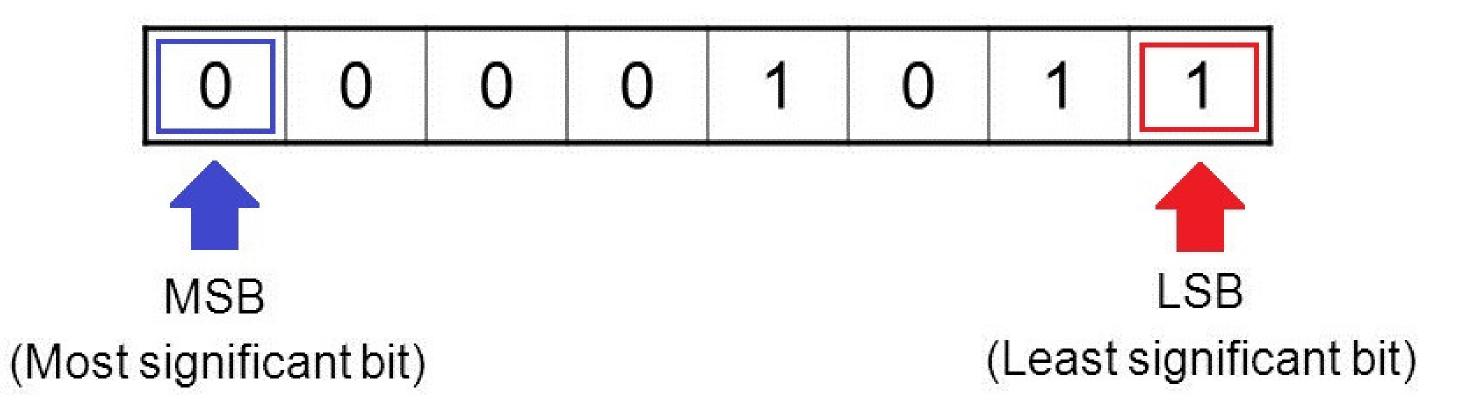


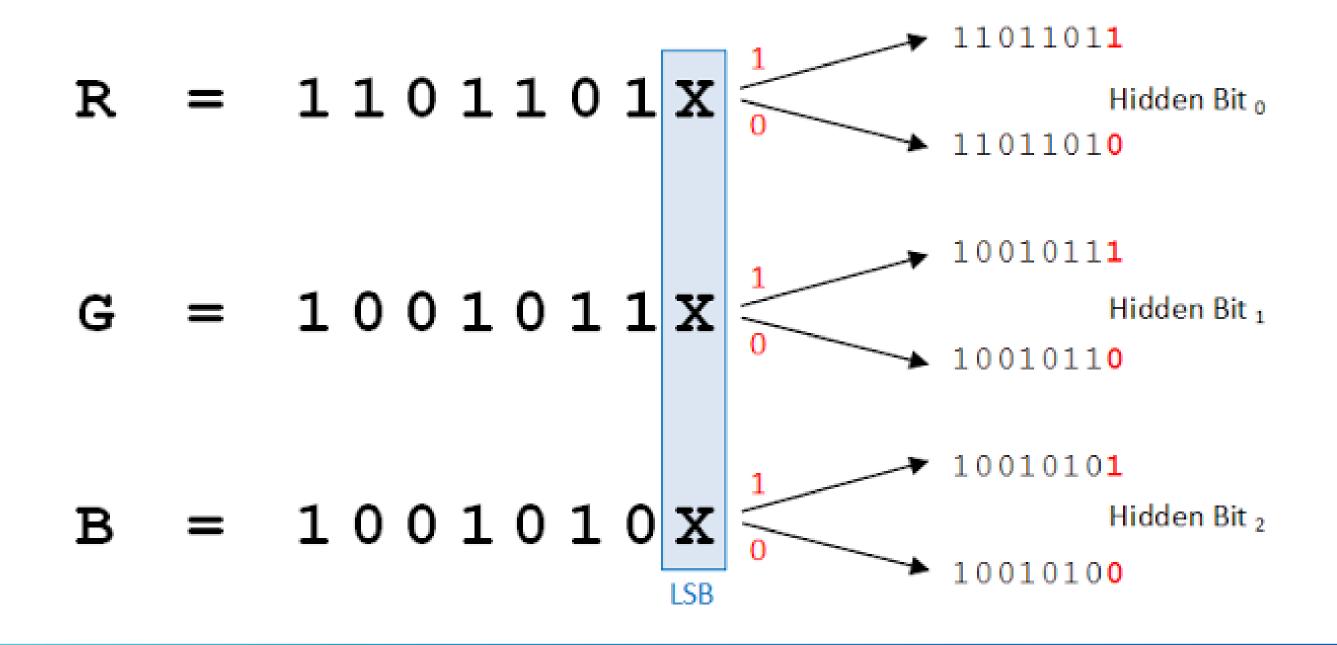


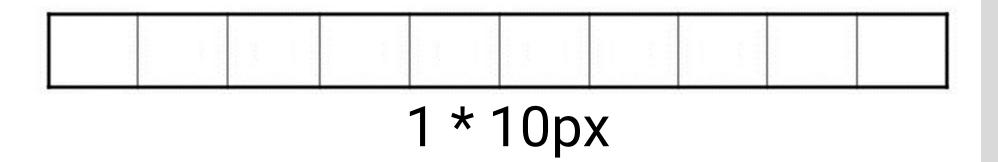
RGB: 40 150 255

RGB: 40 150 254

### LSB







"A" = 65 = 01000001

"B" = 66 = 01000010

0	R: 111111110 G: 111111111 B: 11111110
1	R: 111111110 G: 111111110 B: 11111110
2	R: 111111110 G: 111111111 B: 11111110
3	R: 1111111110 G: 111111110 B: 111111110
4	R: 111111110 G: 111111110 B: 111111111
5	R: 111111110 G: 11111111 B: 11111111
6	R: 11111111 G: 11111111 B: 11111111

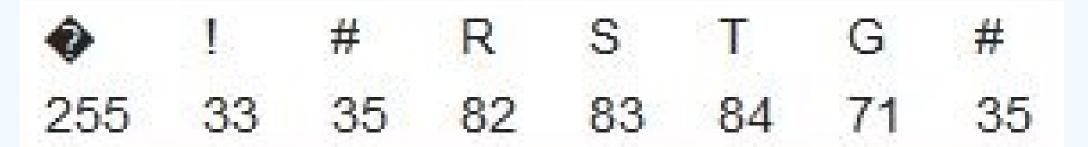
SIGNATURE

**HEADER** 

**MESSAGE** 

**FOOTER** 

#### **SIGNATURE**





**MESSAGE** 

FOOTER # 35 3

### Sources stéganographie

- https://www.securiteinfo.com/attaques/divers/steganographie.shtml
- http://www.nymphomath.ch/crypto/stegano/index.html
- http://www.ray0.be/steganosaurus/more.html
- http://bcs.fltr.ucl.ac.be/FE/08/stegano.htm

#### Liens utiles

- https://www.securityondemand.com/news-posts/insider-uses-steganography-steal-trade-secrets-china/
- https://securityaffairs.co/wordpress/62191/malware/synccrypt-ransomware.html
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- http://www.nymphomath.ch/crypto/stegano/barncode.html