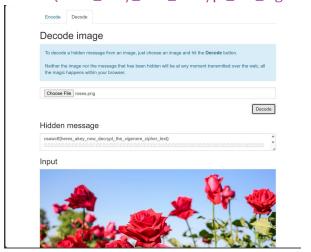
### **Vigenere section**

#### Key: found in roses.png

csawctf{heres\_akey\_now\_decrypt\_the\_vigenere\_cipher\_text}

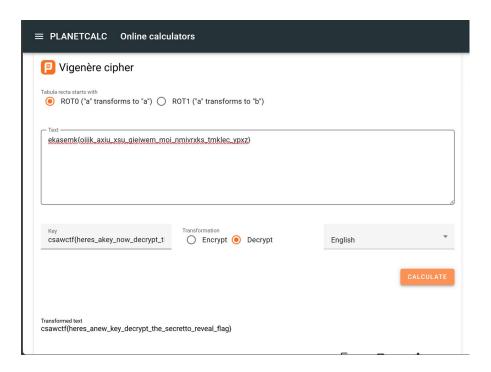


Can be found by putting roses.png into Steganography online

## Cipher text: found in hibiscus.png

ekasemk{oiiik\_axiu\_xsu\_gieiwem\_moi\_nmivrxks\_tmklec\_ypxz} Can be found by putting hibiscus.png into <u>Steganography online</u>

Plain text: The plain text was found by using the <u>Vigenere Cipher</u>` with the cipher and key.



This plain text reveals the xor key.

```
csawctf{heres_anew_key_decrypt_the_secretto_reveal_flag}
```

This time, we're not telling them what kind of operation this key is used in. They have to figure out that this key is a xor key on their own.

They also need to figure out where exactly this 'secret' is and how it will reveal the flag.

#### Xor section

To get the cipher text (aka secret) and figure out that the key is actually a xor key, you will need to look at the exif data in datavsmetadata.png. It has many hints.

xor key: csawctf{heres\_anew\_key\_decrypt\_the\_secretto\_reveal\_flag}

cipher text: 0 0 0 0 0 0 0 0 15 23 23 4 7 0 22 1 23 28 0 18 10 12 0 7 23 2 17 18 21 16 0 0 0 0 0 28 7 16 17 16 6 17 11 0 1 0 21 23 4 24 0 0 0 0 0 0

```
| Class | Color | Colo
```

# flag:

 $csawctf\{great\_work\_you\_cracked\_the\_obscured\_secret\_flag\}$