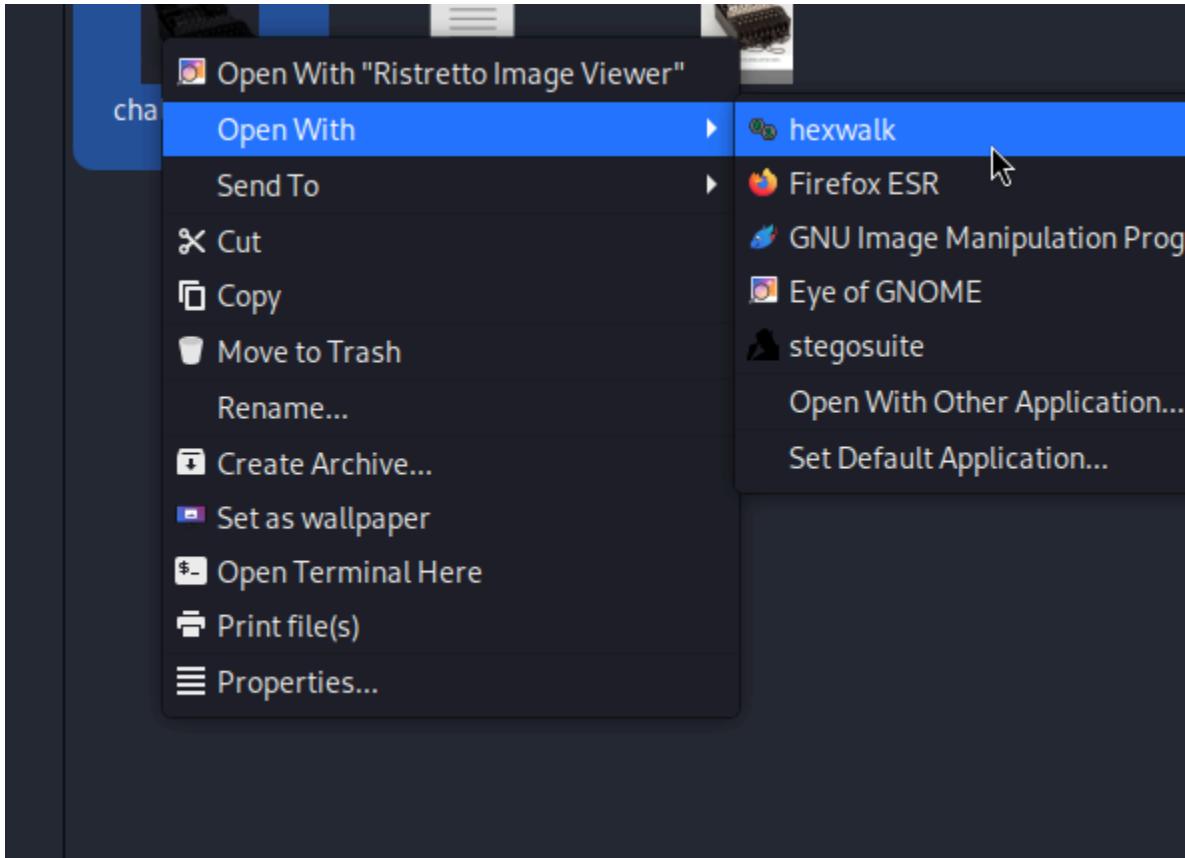


Open the Image with HEX EDITOR



Read this to know more about images:-

https://yasoob.me/images/decoding_jpeg/JPEGRGB_dissected.png

We will change the image size

000000000	FF D8 FF E0 00 10 4A 46 49 46 00 01 01 01 00 00 01JFIF.....
000000010	00 01 00 00 FF FE 00 1F 43 6F 6D 70 72 65 73 73Compress
000000020	65 64 20 62 79 20 6A 70 65 67 2D 72 65 63 6F 6D	ed by jpeg-recom
000000030	70 72 65 73 73 FF DB 00 84 00 04 04 04 04 04 04 04	press.....
000000040	04 04 04 04 06 06 05 06 06 08 07 07 07 07 08 0C
000000050	09 09 09 09 09 0C 13 0C 0E 0C 0C 0E 0C 13 11 14
000000060	10 0F 10 14 11 1E 17 15 15 17 1E 22 1D 1B 1D 22"..."
000000070	2A 25 25 2A 34 32 34 44 44 5C 01 04 04 04 04 04	*%*424DD\.....
000000080	04 04 04 04 06 06 05 06 06 08 07 07 07 07 08
000000090	0C 09 09 09 09 09 0C 13 0C 0E 0C 0C 0E 0C 13 11
0000000A0	14 10 0F 10 14 11 1E 17 15 15 17 1E 22 1D 1B 1D"..."
0000000B0	22 2A 25 25 2A 34 32 34 44 44 5C FF C2 00 11 08	"*%*424DD\.....
0000000C0	03 68 03 23 03 01 22 00 02 11 01 03 11 01 FF C4	.h.#..".....

We will replace 03 with 04

File Edit Analysis Tools Help	Width: 16	
000000000	FF D8 FF E0 00 10 4A 46 49 46 00 01 01 01 00 00 01JFIF.....
000000010	00 01 00 00 FF FE 00 1F 43 6F 6D 70 72 65 73 73Compress
000000020	65 64 20 62 79 20 6A 70 65 67 2D 72 65 63 6F 6D	ed by jpeg-recom
000000030	70 72 65 73 73 FF DB 00 84 00 04 04 04 04 04 04	press.....
000000040	04 04 04 04 06 06 05 06 06 08 07 07 07 07 08 0C
000000050	09 09 09 09 09 09 0C 13 0C 0E 0C 0C 0E 0C 13 11 14
000000060	10 0F 10 14 11 1E 17 15 15 17 1E 22 1D 1B 1D 22"..."
000000070	2A 25 25 2A 34 32 34 44 44 5C 01 04 04 04 04 04	*%*424DD\.....
000000080	04 04 04 04 06 06 05 06 06 08 07 07 07 07 08
000000090	0C 09 09 09 09 09 0C 13 0C 0E 0C 0C 0E 0C 13 11
0000000A0	14 10 0F 10 14 11 1E 17 15 15 17 1E 22 1D 1B 1D"..."
0000000B0	22 2A 25 25 2A 34 32 34 44 44 5C FF C2 00 11 08	"*%*424DD\.....
0000000C0	04 68 03 23 03 01 22 00 02 11 01 03 11 01 FF C4	.h.#..".....

Image without changes:



Image with changes:



jhcbxtkJHQ{4G57L14T_V41O73F_B0W35_A0F15W_Y005T}



Extracted String:

jhcbxtkJHQ{4G57L14T_V41073F_B0W35_A0F15W_Y005T}

The screenshot shows the Enigma machine software interface. On the left, under 'Résultats', there is a table with columns labeled I, II, III and rows labeled with symbols like ≠, 0, and B. Below the table is the text 'SPECTRECTFURNPWPPLZKEX'. On the right, under 'MESSAGE À TAPER SUR LA MACHINE ENIGMA', the text 'jhcbxtkJHQGLTVFBWAFWYT' is entered. Below this, several configuration options are shown: 'CONSERVER LES CHIFFRES, LA PONCTUATION, ETC.' with a checked checkbox, 'ROTOIRS (DE GAUCHE À DROITE) (WALZENLAGE)' with the setting 'I - II - III', and 'RÉFLECTEUR (UMKEHRWALZE)' with the setting 'B'.

Cipher text:- jhcbxtkJHQGLTVFBWAFWYT

Decoded text:- SPECTRECTFURNPWPPLZKEX

The Enigma machine cannot decrypt numbers or symbols – it operates only on alphabetic letters (A–Z).

FinalDecodeText: -

spectreCTF{4u57r14n_P41073W_P0H35_L0Z15K_E
005X}