



Wargames.MY 2022

Capture the Flag (CTF) Competition

Date: 00:00 24/12/2022 – 23:59 24/12/2022

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Table of Contents

OSINT	3
Who Am I	3
Where Am I	5
When Am I	6
STEGANOGRAPHY	10
Color	10

OSINT

Who Am I

Who Am I

139

Find me. (Is this the real life? Is this just fantasy?)

We were given the image below:



Through this image, we knew that it's an image of WGMY registration image. Since this is an OSINT challenge, the white border at the bottom of image gave me an idea to search on their social media.



WGMY 2022 Student will end in NaNh
NaNm NaNs

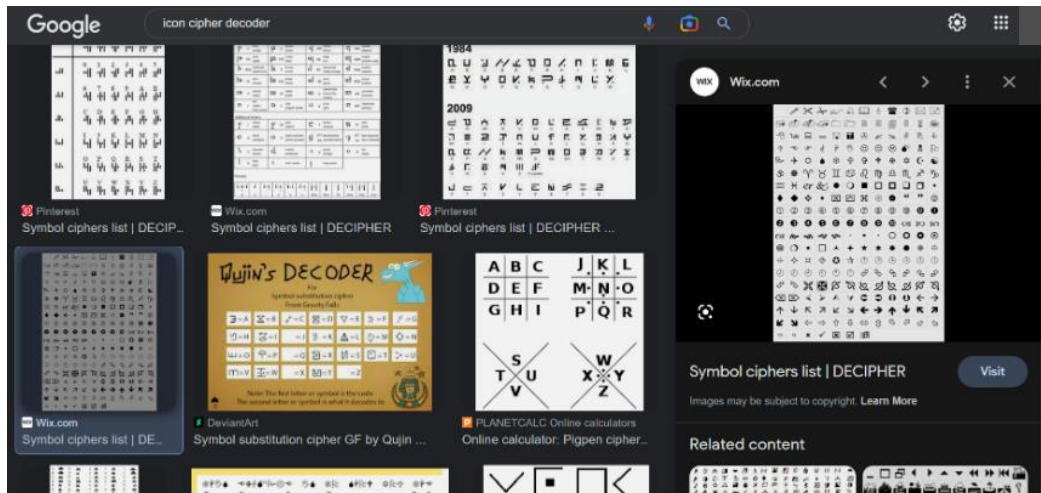
Follow us on social media:



After browsing through their Facebook page, we found a suspicious line of code.



After searching through Google, we found a similar list of codes and found out that they are called Wingdings cipher.



Wingdings cipher.png

Source: <https://aroktyoe.wixsite.com/decipher/home?pgid=k4sg21a2-c6cd8a0c-06ee-4e0e-b036-e287aeb0d1ad>

Using [dcode](#), we decoded the cipher and got the flag.

Flag: wgmy{1b2538369806b5cc5c0597da971ba1cf}

Where Am I

Where Am I

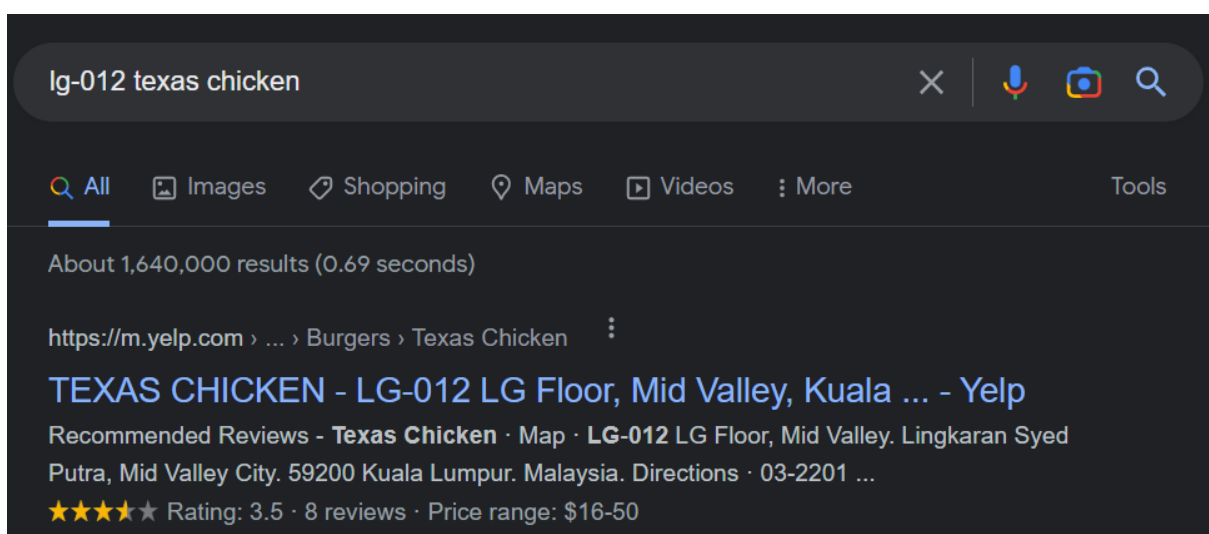
100

Find the place. (Caught in a landside, No escape from reality)

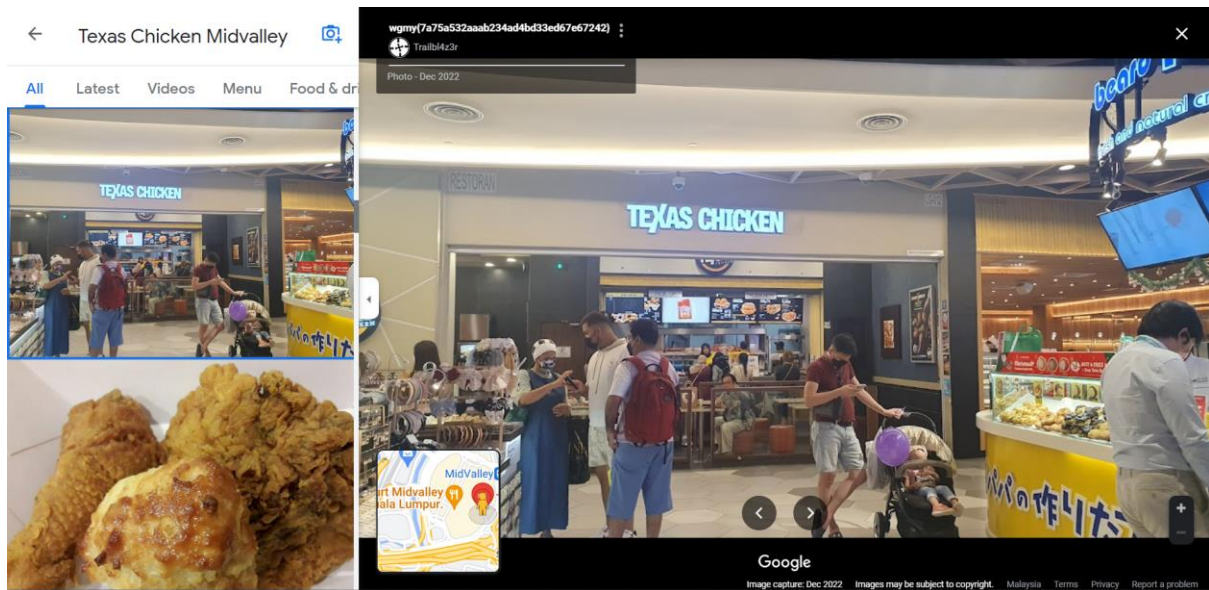
We were given a jpg file which contains several important information:



After searching on Google, the location is identified as Mid Valley.



After several failed attempts searching the image using Google Lens, we tried to search in Google Maps.



Noticed that we got the exact same image as the given image, and we found the flag.

Flag: wgmy{7a75a532aaab234ad4bd33ed67e67242}

When Am I

When am I

475

Find the "time". (Open your eyes, Look up to the skies and see,) (This challenge is not sponsred by h****ive)

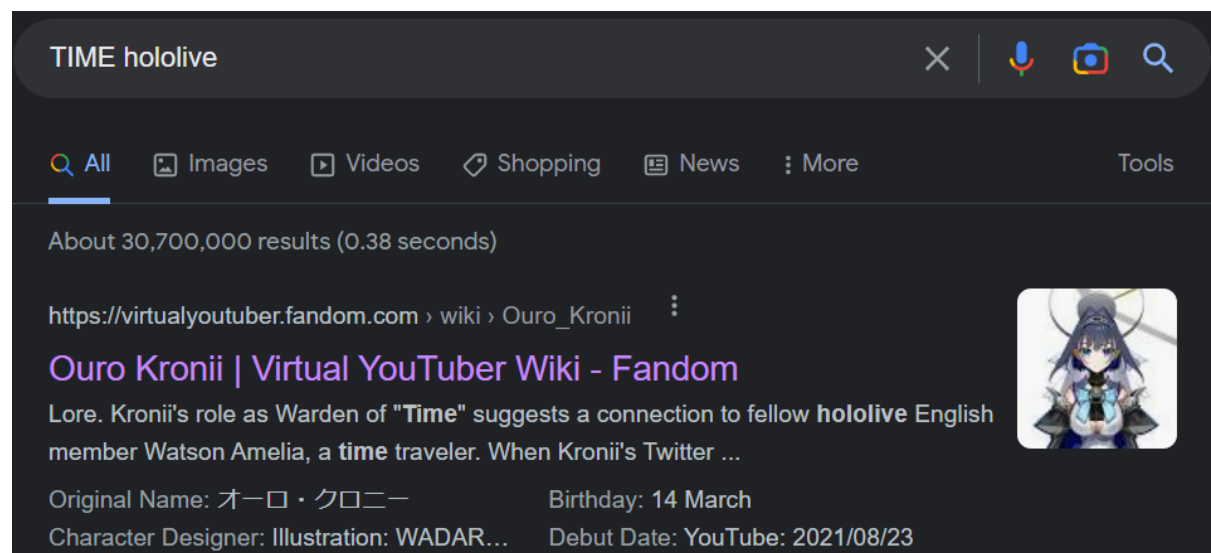
We were given the image below:

COMIC FIESTA 2022 17-18 December 2022			COMIC FIESTA 2022 17-18 December 2022		
Kuala Lumpur Convention Centre			Kuala Lumpur Convention Centre		
2022.comicfiesta.org			2022.comicfiesta.org		
STAGE	CREATIVE FACTOR & PANEL ROOM	MEET & GREET	STAGE	CREATIVE FACTOR & PANEL ROOM	MEET & GREET
10:00 AM	Door Opens		10:00 AM	Door Opens	
11:00 AM	Mentari Opening Ceremony		11:00 AM		
11:30 AM	Q&A with Malaysian Voice Actors		11:30 AM	Mechamato Movie OST Performance	Creating Whiskers
12:00 PM	60 Seconds of Anything Comic Panel Competition		12:00 PM	12:00 PM	12:00 PM
12:30 PM			12:30 PM		
01:00 PM	Performance		12:30 PM		
01:30 PM	Art Demo		01:00 PM	Stage Session	Life as a Comic Artist
02:00 PM	Performance		01:30 PM		
02:30 PM	Performance		02:00 PM		
03:00 PM	Performance		02:30 PM		
03:30 PM	Performance		03:00 PM		
04:00 PM	Performance		03:30 PM		
04:30 PM	Performance		04:00 PM		
05:00 PM	Performance		04:30 PM		
05:30 PM	Performance		05:00 PM		
06:00 PM	Performance		05:30 PM		
06:30 PM	Performance		06:00 PM		
07:00 PM	Performance		06:30 PM		
07:30 PM	Performance		07:00 PM		
07:30 PM	Performance		07:30 PM		

This is the schedule of Comic Fiesta 2022. Compared to the original schedule (shown below), there are several editing on this image.

DAY 1 17 December 2022 Saturday Schedule				DAY 2 18 December 2022 Sunday Schedule			
	STAGE	CREATIVE FACTOR @ PANEL ROOM	MEET & GREET		STAGE	CREATIVE FACTOR @ PANEL ROOM	MEET & GREET
10:00 AM	Door Opens			10:00 AM	Door Opens		
11:00 AM	Mentari Opening Ceremony			11:00 AM			
11:30 AM		Q&A with Malaysian Voice Actors R. Arman Zulkiply, Su Ling Chan & Tomyah Ali Ismail		11:30 AM	Mechamato Movie OST Performance by Yoneyoshi & Mechamato Tuff Appearance	Creating Vtubers R. Mylnob, TV, xFate & Arman Zulkiply	
12:00 PM	60 Seconds of Anything Comic Fiesta Cosplay Competition			12:00 PM			
12:30 PM				12:30 PM			
01:00 PM	Performance R. Iwan Iwan	AMA Session R. Iwan Iwan & Nanni Tawar		01:00 PM	Stage Session R. Liliara Purnama & Vivian Sisti	Life as a Comic Artist (Topic Subject to Change Eventually) R. Cheong Beng	Comic Fiesta Mascots @ cosplay Booth
01:30 PM	Art Demo R. Akihito Tsukushi			01:30 PM			
02:00 PM				02:00 PM	Holive Meet R. Anesi Sofien & Naba Kozono (Hololive Indonesia)	Suzuki Konomi Meet & Greet 2.15 PM	Cheong Beng @ cosplay Booth
02:30 PM	Performance R. #26	Join Bilibili as a livestreamer R. Hololive	Akihito Tsukushi @ cosplay Booth	02:30 PM			Akihito Tsukushi @ cosplay Booth
03:00 PM	Holive Meet R. Takasaka Nana & Watson Amelia (Hololive English)	Join Bilibili as a Creator R. Iwan	Comic Fiesta Mascots @ cosplay Booth	03:00 PM			
04:00 PM	Performance R. Nana			03:30 PM			
05:00 PM				04:00 PM	One-True-Pair Cosplay Competition	Suzuki Konomi Meet & Greet	
05:30 PM				04:30 PM			
06:00 PM				05:00 PM	Prize Giving Ceremony		
06:30 PM				06:00 PM			
07:00 PM	Suzuki Konomi's Special Live Performance in Malaysia			06:30 PM	Night Jam: Purnama R. Cretal Band, Amelia Short Band & Mylnob Arrage		
07:30 PM				07:00 PM			

Noticed that both Hololive sessions were blurred, we thought that it might be related to Hololive. We also noticed that they said the password is “TIME”, thus we decided to search on Google.



The name matched the password hint given in the image.

From the image we knew that they hid something in it, so we decided to use steghide using password OUROKRONII.

```
(encient@kali)-[~/CTF/WGMY 2022/OSINT]
$ steghide extract -sf whenami.jpg -p OUROKRONII
wrote extracted data to "answer.txt".
```

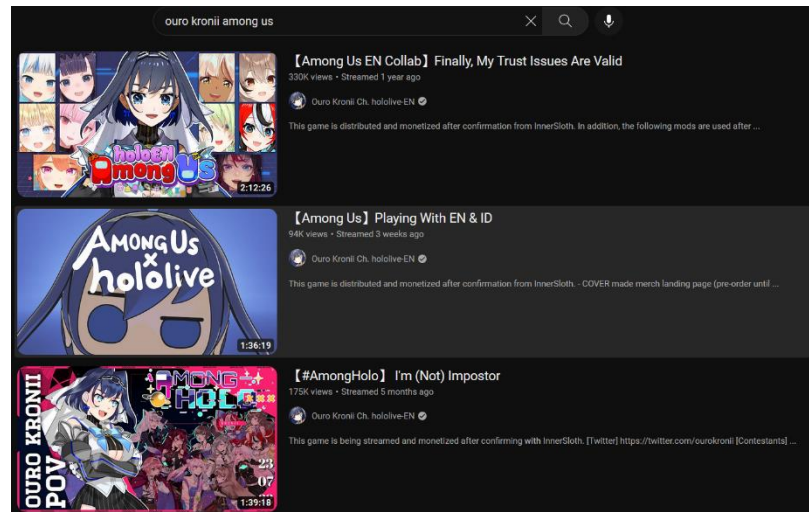
Information from answer.txt

```
Among Us - 1:36:18

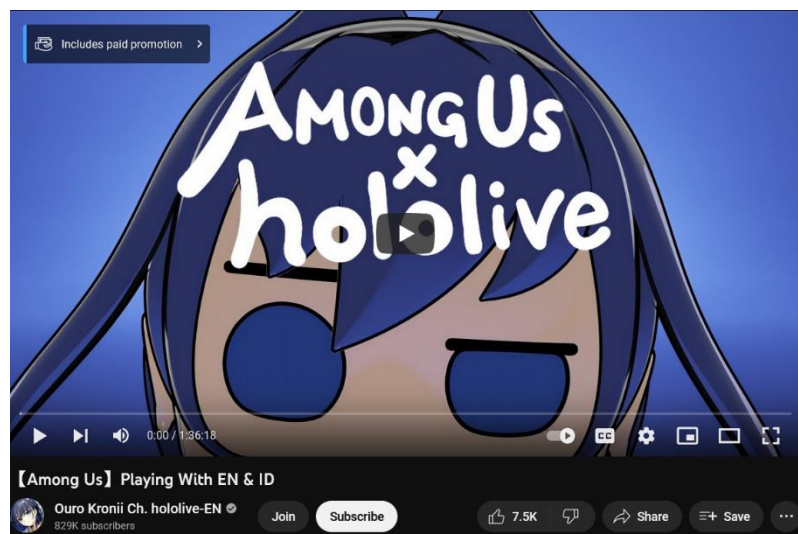
[Viewer Rules]

3:6:4
4:7:8
1:5:1
2:3:5
"{"
6:6:4
7:6:2
10:4:1
9:1:1
8:3:2
9:5:1
8:1:1
8:1:1
"0"
4:1:1
8:1:1
11:1:1
12:5:1
6:1:1
7:1:1
"0"
6:1:1
8:1:1
4:5:3
"0"
6:12:3
10:1:1
7:2:6
4:11:1
5:2:2
12:3:1
7:1:1
3:1:1
10:5:4
10:27:2
11:3:2
11:6:4
"}"
```

1:36:18 looks like a video duration format. Since the previous password is Ouro Kronii, we assume that the questions are related and searched in YouTube.



We found an exact same length of video, with a description that contains [Viewer Rules].



[Viewer Rules]

Thank you for watching my stream!

To help everyone enjoy the stream more, please follow these rules:

1. Be nice to other viewers. Don't spam or troll.
 2. If you see spam or trolling, don't respond. Just block, report, and ignore those comments.
 3. Talk about the stream, but please don't bring up unrelated topics or have personal conversations.
 4. Don't bring up other streamers or streams unless I mention them.
 5. Similarly, don't talk about me or my stream in other streamers' chat.
 6. No backseating unless I ask for help. I'd rather learn from my mistakes by dying countless times; if I fail, it will be on my own terms.
 7. Please refrain from chatting before the stream starts to prevent any issues.
 8. I will be reading some superchats that may catch my attention during the game but most of the reading will be done at the end of stream.
 9. Please refrain from making voice requests as they were most likely done already.
- As long as you follow the rules above, you can chat in any language!

Looking back to answer.txt, we found out that this is similar to book cipher.

Book cipher online decoding tool: <https://www.boxentriq.com/code-breaking/book-cipher>

Assume:-

X:Y:Z

X = Line number

Y = Word number

Z = Character number

Flag: wgmy{eeb7ac660269f45046a0e8abaa51dfec}

STEGANOGRAPHY

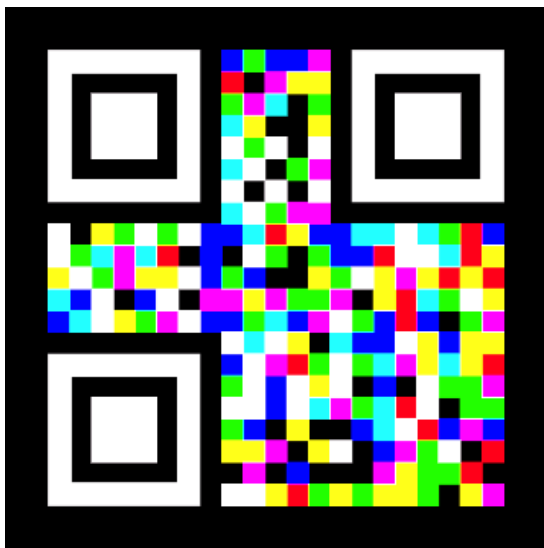
Color

Color

100

Please message us on discord if you are
colorblind (Because I'm easy come, easy go,
Little high, little low,)

We were given the image below:



Scan the QR code and we will get a portion of the flag.

Using AperiSolve, scan the 3 QR code and combine the URL to get the correct flag.

[+] Red



[+] Green



[+] Blue



Flag: wgmy{a437a2595533b67bae8debbac0f12d77}