

ADSP HW3

YCrCb 4:2:0

Target:

1. Convert image from BGR to YCrCb 4:4:4, then compress it to YCrCb 4:2:0.
2. Restore image YCrCb 4:2:0, then convert to BGR and show original image and compressed image.

Environment: python 3.8

Install Packages:

```
pip install opencv-python opencv-contrib-python numpy argparse
```

Run th code

Default image path

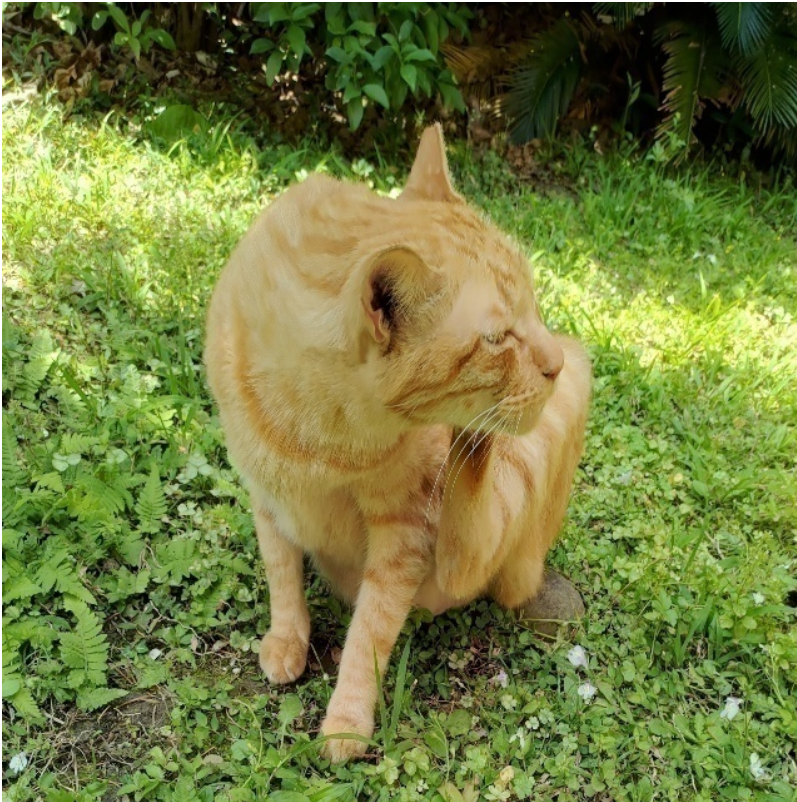
```
python main.py
```

Costum image path

```
python main.py --input_img {path/to/image}
```

Result

Original image



Compressed image

