Gray scale image: Black & white

import cv2 as cv

img = cv.imread('photos/cat.jpg')

# converting to grayscale

gray = cv.cvtColor(img, cv.COLOR\_BGR2GRAY)

cv.imshow('GrayScale', gray)

cv.waitKey(0)

Smoothining: Smoothens

import cv2 as cv

img = cv.imread('photos/cat.jpg')

#cv.imshow('Cat',img)

# converting to blurr image

blur = cv.GaussianBlur(img, (3,3), cv.BORDER\_DEFAULT)

cv.imshow('Smoothining',blur)

cv.waitKey(0)

Blurr: Blurrs

import cv2 as cv

img = cv.imread('photos/cat.jpg')

#cv.imshow('Cat',img)

# converting to blurr image

blur = cv.GaussianBlur(img, (13,13), cv.BORDER\_DEFAULT)

cv.imshow('Blurr',blur)

cv.waitKey(0)

Edge Cascade:

import cv2 as cv

img = cv.imread('photos/cat.jpg')

#cv.imshow('Cat',img)

# converting to edge cascade image

canny = cv.Canny(img, 125, 175)

cv.imshow('EdgeCascade',canny)

cv.waitKey(0)

Invert: Negative

import cv2 as cv

img = cv.imread('photos/cat.jpg')

#cv.imshow('Cat',img)

# Negative of image

invert = cv.bitwise\_not(img)

cv.imshow('Negative',invert)

cv.waitKey(0)

Thresh:

import cv2 as cv

img = cv.imread('photos/cat.jpg')

#cv.imshow('Cat',img)

# Thresh Of an image

gray = cv.cvtColor(img, cv.COLOR\_BGR2GRAY)

ret, thresh = cv.threshold(gray, 125,255, cv.RETR\_LIST, cv.THRESH\_BINARY )

cv.imshow('Thresh',thresh)

cv.waitKey(0)

HSV:

import cv2 as cv

img = cv.imread('photos/cat.jpg')

# HSV

hsv = cv.cvtColor(img, cv.COLOR\_BGR2HSV)

cv.imshow('HSV',hsv)

cv.waitKey(0)

LAB:

import cv2 as cv

img = cv.imread('photos/cat.jpg')

# LAB

lab = cv.cvtColor(img, cv.COLOR\_BGR2LAB)

cv.imshow('LAB',lab)

cv.waitKey(0)