import cv2

img_gray = cv2.cvtColor(img, cv2.COLOR_BGR2GRAY) img_blur = cv2.GaussianBlur(img_gray, (3,3), 0)

Sobel Edge Detection #
sobelx = cv2.Sobel(src=img_blur,
ddepth=cv2.CV_64F, dx=1, dy=0, ksize=5)
sobely = cv2.Sobel(src=img_blur,
ddepth=cv2.CV_64F, dx=0, dy=1, ksize=5)
sobelxy = cv2.Sobel(src=img_blur,
ddepth=cv2.CV_64F, dx=1, dy=1, ksize=5)

cv2.imshow('Sobel X', sobelx)

cv2.waitKey(0)

cv2.imshow('Sobel Y', sobely)

cv2.waitKey(0)

cv2.imshow('Sobel X Y using Sobel()

function', sobelxy)

cv2.waitKey(0)

Canny Edge Detection # edges = cv2.Canny(image=img_blur, threshold1=100, threshold2=200)

cv2.imshow('Canny Edge Detection', edges)
cv2.waitKey(0)

()cv2.destroyAllWindows