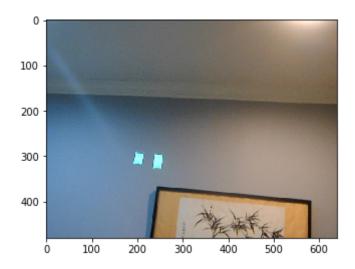
```
In [180]: %matplotlib inline
    import matplotlib.image as mpimg
    from matplotlib import pyplot as plt
    import cv2
    import numpy as np

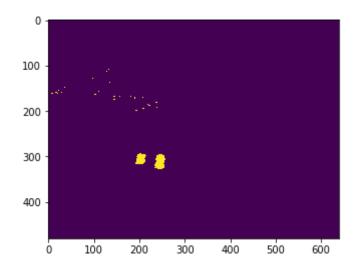
img = mpimg.imread('/vagrant/notebooks/sony_still_of_tape.jpg')
    plt.imshow(img)
```

Out[180]: <matplotlib.image.AxesImage at 0x7fde0fa493c8>



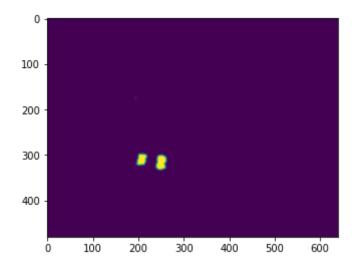
```
In [181]: lower = np.array([85,50,50]) # HSV
    upper = np.array([93,255,255])
    tape_hsv = cv2.cvtColor(img, cv2.COLOR_RGB2HSV)
    res = cv2.inRange(tape_hsv, lower, upper)
    plt.imshow(res)
```

Out[181]: <matplotlib.image.AxesImage at 0x7fde0fa06128>



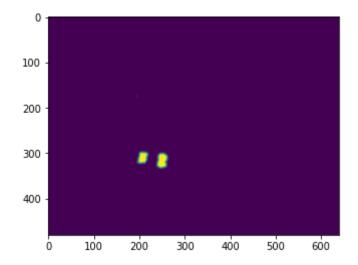
```
In [182]: kernel = np.ones((4,4),np.uint8)
    opened = cv2.morphologyEx(blur, cv2.MORPH_OPEN, kernel)
    plt.imshow(opened)
```

Out[182]: <matplotlib.image.AxesImage at 0x7fde0fa3d7f0>



```
In [183]: blur = cv2.blur(opened, (3,3))
plt.imshow(blur)
```

Out[183]: <matplotlib.image.AxesImage at 0x7fde0f9f8048>



```
In [185]: cnt1 = sorted(cnts, key = cv2.contourArea, reverse = True)[0]
    cnt2 = sorted(cnts, key = cv2.contourArea, reverse = True)[1]
    rect1 = np.int32(cv2.boxPoints(cv2.minAreaRect(cnt1)))
    rect2 = np.int32(cv2.boxPoints(cv2.minAreaRect(cnt2)))
    cv2.drawContours(img, [rect1], -1, (255, 0, 0), 2)
    cv2.drawContours(img, [rect2], -1, (255, 0, 0), 2)
    plt.imshow(img)
```

Out[185]: <matplotlib.image.AxesImage at 0x7fde0f9b2be0>

