

ADD VISION TO YOUR PI

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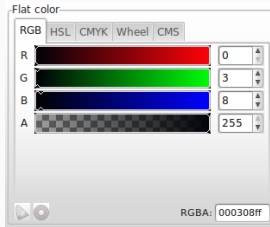


EmbeddedLance

COLOR SPACES

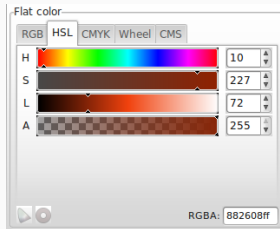


Red(color), Green(color), Blue(color)





Hue(colour), Saturation(amount), Value(brightness)



CODE



- Select Color from live feed/video using mouse

```
1 ofColor color = image.getColor(mouseX,mouseY);
```

- Convert Color to HSV color space

```
1 targetHue = (int)(color.getHue() *0.7;
```



- Use Hue value to threshold the image

```
1 cvInRangeS(hsvImage.getCvImage(), cvScalar(targetHue-5, 70,70), cvScalar(targetHue + 5, 255, 255), threshedImage.getCvImage());
```

- Find contours on the thresholded image

```
1 contourFinder.findContours(threshedImage, minArea, maxArea, nBlobs, true);
```

NOW YOU CAN SUCCESSFULLY TRACK COLORS IN LIVE FEED OR
VIDEO :)