

## Lesson 6: Color Spaces and Conversions

 Convert to grayscale:


```
gray = cv2.cvtColor(image, cv2.COLOR_BGR2GRAY)
```

---

 Convert to HSV (Hue, Saturation, Value):

```
hsv = cv2.cvtColor(image, cv2.COLOR_BGR2HSV)
```

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 Other conversions:

```
hsv = cv2.cvtColor(image, cv2.COLOR_BGR2HSV)
```

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 Try this:

- Convert an image to grayscale and apply a threshold.
- Convert to HSV and extract only red regions.