

# Converting Colors

YIQ(53.5170, -8.9990, 69.5050)

Have a look what the booklet for  
YIQ(53.5170, -8.9990, 69.5050)  
contains.

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# Color

**YIQ(53.5170, -8.9990,  
69.5050)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	580BB6
RGB	88, 11, 182
RGB Percent	35%, 4%, 71%
CMY	0.6546, 0.9570, 0.2864
CMYK	0.52, 0.94, 0.00, 0.29
HSL	267°, 89%, 38%
HSV	267°, 94%, 71%
XYZ	12.5899, 5.6926, 44.6679
YIQ	53.5170, -8.9990, 69.5050

# Conversions

## Conversions Part 2

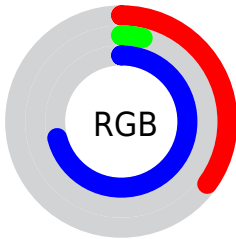
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	88, 11, 182
Decimal	5770166
CIE Lab	28.62, 62.54, -71.67
CIE LCh	29, 95.119, 311.106
Yxy	5.6926, 0.2000, 0.0904
Android (android.graphics.Color)	4283960246 (0xFF580BB6)
YUV	53.5170, 63.3421, 30.2416
Hunter-Lab	23.8591, 52.4369, -94.2989

# Details

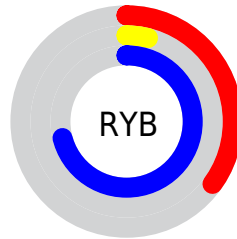
The YIQ color **53.5170, -8.9990, 69.5050** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **139.4830, 8.9990, -69.5050**, and the grayscale version is **53.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **114.3490, -8.5860, 67.5260**, and **16.9840, -36.3200, 41.5040** is the 20% darker color. If you saturate the color by 10%, you get **45.2660, -9.5500, 73.9860**, and if you desaturate by 10%, it is **67.0730, -7.9890, 62.2110**.

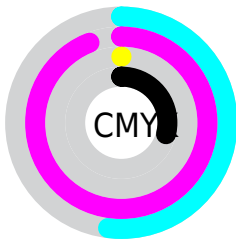
# Distribution



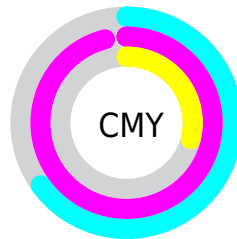
- Red (35%)
- Green (4%)
- Blue (71%)



- Red (35%)
- Yellow (4%)
- Blue (71%)



- Cyan (52%)
- Magenta (94%)
- Yellow (0%)
- Black (29%)



- Cyan (65%)
- Magenta (96%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 53.5170, -8.9990, 69.5050 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 53.5170, -8.9990, 69.5050 by changing the saturation by 10% instead.



■ 53.5170, -8.9990,  
69.5050

■ 53.5170, -8.9990,  
69.5050

■ 255.0000, -0.0000,  
-0.0000

■ 34.3000, -16.0580,  
59.7660

■ 114.3490, -8.5860,  
67.5260

■ 17.1690, -35.4030,  
41.4050

■ 140.9920, -3.2670,  
64.7410

■ 11.6280, -32.7420,  
31.7220

■ 165.5120, 6.5920,  
56.7680

■ 8.6640, -24.3960,  
23.6360

■ 190.6300, 17.6430,  
49.2190

■ 8.8630, -18.0670,  
13.5570

■ 212.1490, 20.0750,  
38.1790


■ 4.5940, -10.1800,  
8.2840

■ 229.1720, 12.1000,


■ 0.1140, -0.3210,


23.0120


0.3110


 246.1950, 4.1250,  
7.8450


 0.0000, 0.0000,  
0.0000


 53.5170, -8.9990,  
69.5050

 53.5170, -8.9990,  
69.5050


 45.2660, -9.5500,  
73.9860

 67.0730, -7.9890,  
62.2110

 80.6290, -6.9790,  
54.9170

 94.7720, -6.2440,  
47.1000

 108.3280, -5.2340,  
39.8060

 121.8840, -4.2240,  
32.5120

■ 135.4400, -3.2140,  
25.2180

■ 148.9960, -2.2040,  
17.9240

■ 163.1390, -1.4690,  
10.1070

■ 176.6950, -0.4590,  
2.8130

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.7030, -90.0530, 29.6190



53.5170, -8.9990, 69.5050



62.9720, 61.3790, 71.5790

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



53.5170, -8.9990, 69.5050



61.7080, 59.4200, 2.4280



64.1330, -55.1990, -18.3590

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



53.5170, -8.9990, 69.5050



139.4830, 8.9990, -69.5050

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



53.3830, -27.6850, -43.4370



53.5170, -8.9990, 69.5050



60.7800, 14.2180, -26.4060

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



53.5170, -8.9990, 69.5050



48.7370, 97.1480, 34.5560



49.8950, -23.3750, -44.4550



73.5150, -78.8610, 2.9870



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.5170, -8.9990, 69.5050



62.2840, 86.3230, 60.0430



49.8950, -23.3750, -44.4550



60.6960, -46.8990, -25.6110

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



53.5170, -8.9990, 69.5050



187.4940, -3.3060, 26.8860



85.6720, -80.7410, 4.0190



89.0560, -2.4330, 16.5670



247.0000, -0.0000, -0.0000



120.0000, -0.0000, -0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.5170, -8.9990, 69.5050



59.0110, -12.3050, 96.3910



78.9320, 41.6610, 87.5250



85.2220, -0.5050, 3.6470



38.7140, -8.3560, 63.3560



7.0790, -1.2400, 11.4640



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



72.8450, 71.7420, 65.4860



85.6830, 99.5220, 90.6740



114.0680, -41.6610, -87.5250



86.2610, 3.7590, 3.4630



56.3340, 65.6910, 59.5070

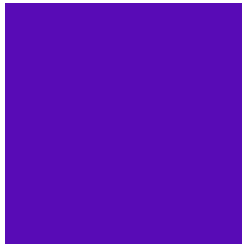


10.0820, 11.8730, 10.6010



# Previews

## White Background



This preview shows how the YIQ color 53.5170, -8.9990, 69.5050 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

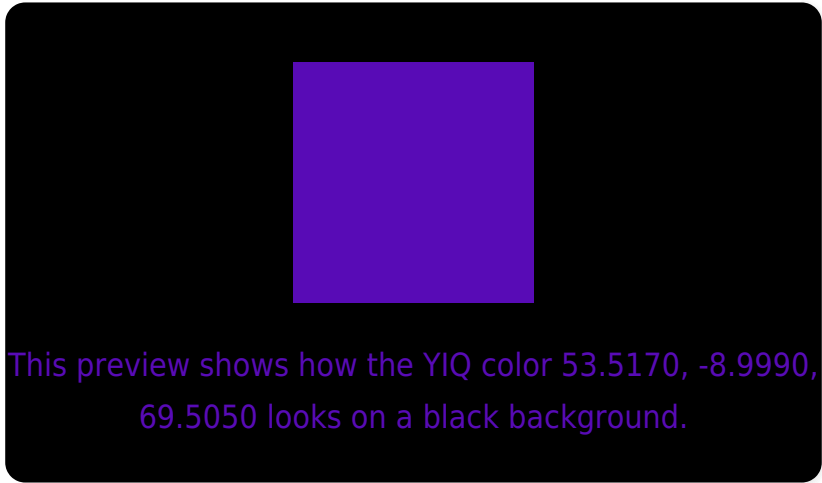
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

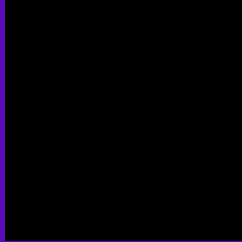
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 53.5170, -8.9990, 69.5050**

## **Background**



This preview shows how black text looks on a background with the YIQ color 53.5170, -8.9990, 69.5050.



This preview shows how white text looks on a background with the YIQ color 53.5170, -8.9990,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

53.5170, -8.9990, 69.5050

### Protanopia

55.2890, -63.3650, 8.4990

### Deuteranopia

55.3570, -58.0450, 0.1870



## Tritanopia

67.4980, -10.2700, -1.1020

# Trichromacy



## Original Color

53.5170, -8.9990, 69.5050

## Protanomaly

54.8270, -43.6080, 30.4080

## Deuteranomaly

54.6330, -40.3060, 25.6300

## Tritanomaly

62.2050, -9.8620, 24.5540

# Monochromacy



## Original Color

53.5170, -8.9990, 69.5050

## Achromatopsia

54.0000, -0.0000, 0.0000

## Achromatomaly

53.5540, -3.5350, 25.5290

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 53.5170, -8.9990, 69.5050 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(88, 11, 182)` looks like.

```
.text, #text, p{  
    color:rgb(88, 11, 182)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(88, 11, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 11, 182) }
```

## Border

The CSS property to change the border of an element to YIQ 53.5170, -8.9990, 69.5050 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(88, 11, 182) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(88, 11, 182) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(88, 11, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 11, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 11, 182);  
box-shadow:4px 4px 4px 4px rgb(88, 11,  
182) }
```

# Background

The CSS property to change the background color of an element to YIQ 53.5170, -8.9990, 69.5050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 11, 182) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(88, 11,  
182) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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