

# Converting Colors

YIQ(84.3160, -4.9600, 45.8560)

Have a look what the booklet for  
YIQ(84.3160, -4.9600, 45.8560)  
contains.

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# Color

**YIQ(84.3160, -4.9600,  
45.8560)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6C38A8
RGB	108, 56, 168
RGB Percent	42%, 22%, 66%
CMY	0.5763, 0.7805, 0.3413
CMYK	0.36, 0.67, 0.00, 0.34
HSL	268°, 50%, 44%
HSV	268°, 67%, 66%
XYZ	14.6688, 8.8436, 37.9664
YIQ	84.3160, -4.9600, 45.8560

# Conversions

## Conversions Part 2

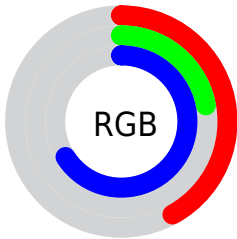
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	108, 56, 168
Decimal	7092392
CIE <sub>Lab</sub>	35.68, 45.43, -51.66
CIE <sub>LCh</sub>	36, 68.799, 311.328
Yxy	8.8436, 0.2386, 0.1438
Android (android.graphics.Color)	4285282472 (0xFF6C38A8)
YUV	84.3160, 41.2562, 20.7709
Hunter-Lab	29.7383, 36.0058, -54.8779

# Details

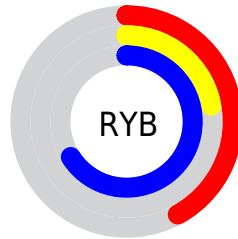
The YIQ color **84.3160, -4.9600, 45.8560** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **139.6840, 4.9600, -45.8560**, and the grayscale version is **84.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **136.4950, -3.9060, 48.7820**, and **30.1310, -5.8770, 45.9550** is the 20% darker color. If you saturate the color by 10%, you get **71.6460, -5.6490, 52.8390**, and if you desaturate by 10%, it is **96.9860, -4.2710, 38.8730**.

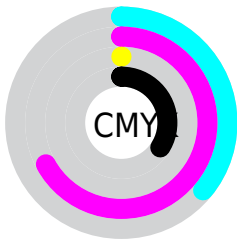
# Distribution



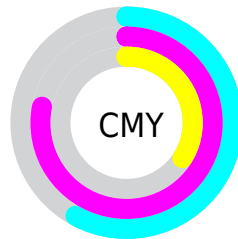
- Red (42%)
- Green (22%)
- Blue (66%)



- Red (42%)
- Yellow (22%)
- Blue (66%)



- Cyan (36%)
- Magenta (67%)
- Yellow (0%)
- Black (34%)



- Cyan (58%)
- Magenta (78%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 84.3160, -4.9600, 45.8560 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 84.3160, -4.9600, 45.8560 by changing the saturation by 10% instead.



84.3160, -4.9600,  
45.8560

84.3160, -4.9600,  
45.8560

255.0000, -0.0000,  
-0.0000

58.4900, -5.5100,  
44.8100

136.7940, -3.3100,  
48.9940

30.1310, -5.8770,  
45.9550

163.7340, -3.0810,  
50.3510

17.1370, -15.1820,  
32.8660

188.4820, 6.1360,  
43.0000

7.4100, -20.8650,  
20.2150

213.5890, 15.7200,  
34.5040

6.5490, -14.3070,  
11.4930

231.5200, 11.0000,  
20.9200

2.8670, -6.6950,  
5.6970

248.5430, 3.0250,

0.0000, 0.0000,

5.7530

0.0000

■ 84.3160, -4.9600,  
45.8560

■ 84.3160, -4.9600,  
45.8560

■ 71.6460, -5.6490,  
52.8390

■ 96.9860, -4.2710,  
38.8730

■ 58.9760, -6.3380,  
59.8220

■ 109.6560, -3.5820,  
31.8900

■ 46.8930, -7.3020,  
66.2820

■ 121.7390, -2.6180,  
25.4300

■ 42.4740, -7.4400,  
68.7840

■ 134.4090, -1.9290,  
18.4470

■ 147.0790, -1.2400,  
11.4640

■ 159.7490, -0.5510,  
4.4810

■ 172.4190, 0.1380,  
-2.5020

■ 184.5020, 1.1020,  
-8.9620

■ 197.1720, 1.7910,  
-15.9450

# Harmonies

## Analogous

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



72.0110, -85.6490, 15.8790



84.3160, -4.9600, 45.8560



62.2320, 57.7110, 71.9750

# Triad

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



84.3160, -4.9600, 45.8560



79.0850, 59.3760, -7.7920



74.0780, -62.5340, -23.0940

# Complementary

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



84.3160, -4.9600, 45.8560



139.6840, 4.9600, -45.8560

# 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.



66.2920, -43.3660, -40.0860



84.3160, -4.9600, 45.8560



77.0710, 26.4600, -28.0040

# Square

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



84.3160, -4.9600, 45.8560



68.5470, 85.4590, 20.6190



58.1130, -27.2250, -51.7770



80.0060, -79.2260, -6.9220



# Rectangle

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



84.3160, -4.9600, 45.8560



61.9010, 77.3360, 63.2240



58.1130, -27.2250, -51.7770



71.9120, -56.4350, -29.0030

# Sweetspot

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



84.3160, -4.9600, 45.8560



186.2950, -1.6080, 18.1360



105.1620, -53.0020, 2.4060



89.9650, -0.9190, 11.1530



237.0000, -0.0000, -0.0000



110.0000, 0.0000, 0.0000



# Same Dimension

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



84.3160, -4.9600, 45.8560



88.1690, -7.8990, 71.5970



100.4620, 27.2240, 57.3040



78.1080, -0.1840, 3.3360



37.5030, -6.3840, 60.6560



4.9710, -1.0560, 8.1280



# Inverse Universe

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



96.3280, 47.4920, 42.4040



107.0410, 74.1260, 66.3340



123.5380, -27.2240, -57.3040



78.8480, 3.4840, 2.9400



53.2580, 62.8490, 55.9450

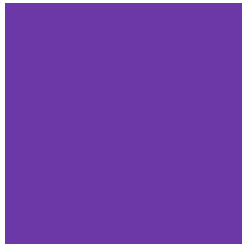


7.2340, 8.3890, 7.6610



# Previews

## White Background



This preview shows how the YIQ color 84.3160, -4.9600, 45.8560 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



This preview shows how the YIQ color 84.3160, -4.9600, 45.8560 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

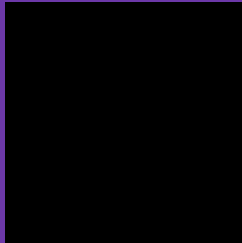
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 84.3160, -4.9600, 45.8560**

## **Background**



This preview shows how black text looks on a background with the YIQ color 84.3160, -4.9600, 45.8560.



This preview shows how white text looks on a background with the YIQ color 84.3160, -4.9600,



# 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

84.3160, -4.9600, 45.8560

### Protanopia

67.1550, -77.4870, 11.1290

### Deuteranopia

67.5820, -71.8000, 1.6720



## Tritanopia

85.0870, 4.3090, 4.5090

# Trichromacy



## Original Color

84.3160, -4.9600, 45.8560

## Protanomaly

73.4190, -51.4470, 23.7930

## Deuteranomaly

73.5840, -47.7780, 17.8700

## Tritanomaly

84.9040, 1.0510, 19.5070

# Monochromacy



## Original Color

84.3160, -4.9600, 45.8560

## Achromatopsia

84.0000, -0.0000, -0.0000

## Achromatomaly

84.3550, -1.8370, 16.7790

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 84.3160, -4.9600, 45.8560 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(108, 56, 168)` looks like.

```
.text, #text, p{  
    color:rgb(108, 56, 168)  
}
```

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(108, 56, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 56, 168) }
```

## Border

The CSS property to change the border of an element to YIQ 84.3160, -4.9600, 45.8560 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".

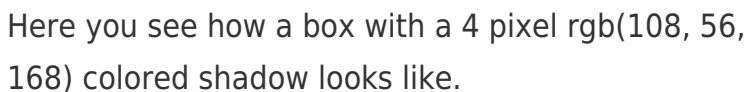
```
.border, #border, table{ border:4px solid rgb(108, 56, 168) }
```



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

```
.border{ border-color:rgb(108, 56, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 56, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 56, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 56, 168); box-shadow:4px 4px 4px 4px rgb(108, 56, 168) }
```

# Background

The CSS property to change the background color of an element to YIQ 84.3160, -4.9600, 45.8560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 56, 168) }
```

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

```
.background{ background-color: rgb(108, 56,  
168) }
```

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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