

# Converting Colors

YIQ(56.3870, 6.5870, 84.4030)

Have a look what the booklet for  
YIQ(56.3870, 6.5870, 84.4030)  
contains.

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# Color

**YIQ(56.3870, 6.5870,  
84.4030)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7300C1
RGB	115, 0, 193
RGB Percent	45%, 0%, 76%
CMY	0.5486, 1.0000, 0.2433
CMYK	0.40, 1.00, 0.00, 0.24
HSL	276°, 100%, 38%
HSV	276°, 100%, 76%
XYZ	16.7056, 7.5005, 51.0009
YIQ	56.3870, 6.5870, 84.4030

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	115, 0, 193
Decimal	7536833
CIE <sub>Lab</sub>	32.92, 69.21, -70.98
CIE <sub>LCh</sub>	33, 99.139, 314.279
Yxy	7.5005, 0.2221, 0.0997
Android (android.graphics.Color)	4285726913 (0xFF7300C1)
YUV	56.3870, 67.3502, 51.4036
Hunter-Lab	27.3870, 60.9543, -91.2406

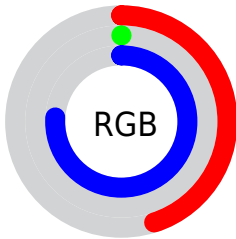
# Details

The YIQ color **56.3870, 6.5870, 84.4030** is a dark color, and the websafe version is hex **6600CC**.

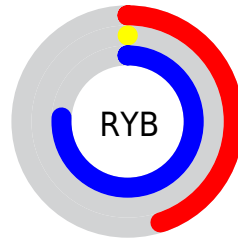
The color can be described as dark washed purple. A complement of this color would be **136.6130, -6.5870, -84.4030**, and the grayscale version is **56.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **124.6650, 2.5080, 75.7240**, and **31.5790, -12.7100, 54.1540** is the 20% darker color. If you saturate the color by 10%, you get **56.3870, 6.5870, 84.4030**, and if you desaturate by 10%, it is **69.9320, 6.1300, 76.1620**.

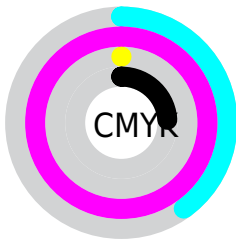
# Distribution



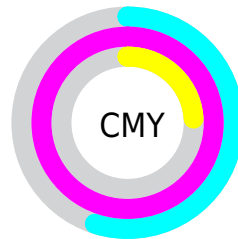
- Red (45%)
- Green (0%)
- Blue (76%)



- Red (45%)
- Yellow (0%)
- Blue (76%)



- Cyan (40%)
- Magenta (100%)
- Yellow (0%)
- Black (24%)



- Cyan (55%)
- Magenta (100%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 56.3870, 6.5870, 84.4030 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 56.3870, 6.5870, 84.4030 by changing the saturation by 10% instead.



■ 56.3870, 6.5870,  
84.4030

■ 56.3870, 6.5870,  
84.4030

■ 255.0000, -0.0000,  
-0.0000

■ 44.2250, -2.3050,  
69.3350

■ 124.6650, 2.5080,  
75.7240

■ 31.5790, -12.7100,  
54.1540

■ 150.5270, 11.4040,  
68.6840

■ 16.6550, -28.2040,  
37.5880

■ 175.9330, 21.5840,  
60.4000

■ 9.8040, -27.6060,  
26.7460

■ 198.6480, 26.4000,  
50.2080

■ 10.5900, -21.5520,  
16.1440

■ 215.0840, 18.7000,  
35.5640


■ 6.2070, -13.3440,  
10.5600

■ 232.1070, 10.7250,

■ 2.4110, -5.4110,


20.3970

4.4530


 249.7170, 2.4750,  
4.7070

 0.0000, 0.0000,  
0.0000

 56.3870, 6.5870,  
84.4030

 69.9320, 6.1300,  
76.1620

 84.0640, 5.3980,  
67.3980

 97.3100, 4.3450,  
58.9450

 110.8550, 3.8880,  
50.7040

 124.4000, 3.4310,  
42.4630

■ 138.5320, 2.6990,  
33.6990

■ 152.0770, 2.2420,  
25.4580

■ 165.3230, 1.1890,  
17.0050

■ 179.4550, 0.4570,  
8.2410

# Harmonies

## Analogous

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



73.2770, -97.4810, 32.0790



56.3870, 6.5870, 84.4030



69.8210, 72.2900, 77.5860

# Triad

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



56.3870, 6.5870, 84.4030



72.3180, 60.3380, -3.1980



73.5710, -65.2400, -18.1040

# Complementary

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



56.3870, 6.5870, 84.4030



136.6130, -6.5870, -84.4030

# 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.



62.7070, -37.4050, -43.4930



56.3870, 6.5870, 84.4030



68.1230, 11.5140, -32.4700

# Square

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



56.3870, 6.5870, 84.4030



52.6240, 104.8960, 37.3120



56.9390, -26.6750, -50.7310



83.1810, -89.5440, 3.8640



# Rectangle

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



56.3870, 6.5870, 84.4030



68.1930, 97.0050, 64.6930



56.9390, -26.6750, -50.7310



70.3790, -56.2520, -26.8120

# Sweetspot

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



56.3870, 6.5870, 84.4030



197.0050, 2.7450, 32.8650



68.9620, -83.9530, 18.1830



93.2030, 1.6470, 19.7190



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

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



56.3870, 6.5870, 84.4030



73.0510, 8.5540, 109.3380



77.8850, 58.2110, 95.9630



89.9340, 0.3660, 4.3820



47.0580, 5.5350, 70.4230



9.7420, 1.3270, 14.5030



# Inverse Universe

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



66.5990, 89.9900, 65.1740



86.2640, 116.5790, 84.4110



115.1150, -58.2110, -95.9630



90.4460, 4.6760, 3.3640



55.5490, 75.0910, 54.3470



11.3490, 15.4950, 11.0390



# Previews

## White Background



This preview shows how the YIQ color 56.3870, 6.5870, 84.4030 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

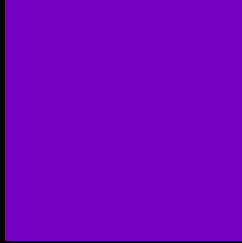
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YIQ color 56.3870, 6.5870, 84.4030 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

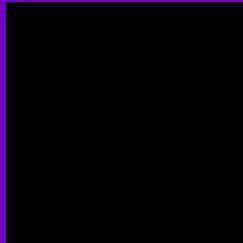
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 56.3870, 6.5870, 84.4030**

## **Background**



This preview shows how black text looks on a background with the YIQ color 56.3870, 6.5870, 84.4030.



This preview shows how white text looks on a background with the YIQ color 56.3870, 6.5870,



# 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

56.3870, 6.5870, 84.4030

### Protanopia

63.6670, -73.1770, 10.1110

### Deuteranopia

63.9800, -67.1690, 0.3430



## Tritanopia

80.4680, 7.6100, 5.2580

# Trichromacy



## Original Color

56.3870, 6.5870, 84.4030

## Protanomaly

61.0430, -43.9760, 37.0800

## Deuteranomaly

61.2080, -40.3070, 31.1570

## Tritanomaly

71.9840, 7.2380, 34.0380

# Monochromacy



## Original Color

56.3870, 6.5870, 84.4030

## Achromatopsia

56.0000, -0.0000, 0.0000

## Achromatomaly

56.2390, 1.9660, 30.4620

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 56.3870, 6.5870, 84.4030 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(115, 0, 193)` looks like.

```
.text, #text, p{  
    color:rgb(115, 0, 193)  
}
```

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(115, 0, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 0, 193) }
```

## Border

The CSS property to change the border of an element to YIQ 56.3870, 6.5870, 84.4030 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(115, 0, 193) }
```



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

```
.border{ border-color:rgb(115, 0, 193) }
```

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

Here you see how a box with a 4 pixel rgb(115, 0, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 0, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 0, 193);  
box-shadow:4px 4px 4px 4px rgb(115, 0,  
193) }
```

# Background

The CSS property to change the background color of an element to YIQ 56.3870, 6.5870, 84.4030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 0, 193) }
```

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

```
.background{ background-color: rgb(115, 0,  
193) }
```

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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