

# Converting Colors

YIQ(65.5750, 10.3080, 44.4840)

Have a look what the booklet for  
YIQ(65.5750, 10.3080, 44.4840)  
contains.

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# Color

**YIQ(65.5750, 10.3080,  
44.4840)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	672282
RGB	103, 34, 130
RGB Percent	40%, 13%, 51%
CMY	0.5958, 0.8668, 0.4902
CMYK	0.21, 0.74, 0.00, 0.49
HSL	283°, 59%, 32%
HSV	283°, 74%, 51%
XYZ	10.2000, 5.6408, 21.6673
YIQ	65.5750, 10.3080, 44.4840

# Conversions

## Conversions Part 2

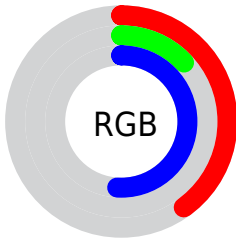
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	103, 34, 130
Decimal	6759042
CIE <sub>Lab</sub>	28.49, 45.85, -40.06
CIE <sub>LCh</sub>	28, 60.886, 318.854
Yxy	5.6408, 0.2719, 0.1504
Android (android.graphics.Color)	4284949122 (0xFF672282)
YUV	65.5750, 31.7615, 32.8217
Hunter-Lab	23.7504, 35.0962, -37.4644

# Details

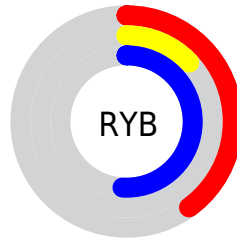
The YIQ color **65.5750, 10.3080, 44.4840** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **98.4250, -10.3080, -44.4840**, and the grayscale version is **65.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **117.8140, 11.1330, 46.0530**, and **24.3690, 4.7160, 35.6920** is the 20% darker color. If you saturate the color by 10%, you get **56.7480, 11.4990, 50.4350**, and if you desaturate by 10%, it is **74.4020, 9.1170, 38.5330**.

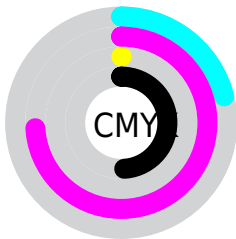
# Distribution



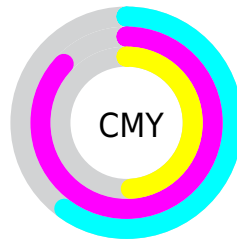
- Red (40%)
- Green (13%)
- Blue (51%)



- Red (40%)
- Yellow (13%)
- Blue (51%)



- Cyan (21%)
- Magenta (74%)
- Yellow (0%)
- Black (49%)



- Cyan (60%)
- Magenta (87%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 65.5750, 10.3080, 44.4840 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 65.5750, 10.3080, 44.4840 by changing the saturation by 10% instead.



65.5750, 10.3080,  
44.4840

65.5750, 10.3080,  
44.4840

255.0000, -0.0000,  
-0.0000

36.0530, 11.9580,  
47.6220

117.8140, 11.1330,  
46.0530

24.3690, 4.7160,  
35.6920

144.6400, 11.6830,  
47.0990

15.0550, -0.6920,  
23.5640

172.3520, 12.5540,  
47.8340

5.0500, -11.4640,  
9.5280

198.5820, 17.5980,  
44.5260

0.7980, -2.2470,  
2.1770

218.6060, 17.0500,  
32.4260

0.0000, 0.0000,  
0.0000

235.0420, 9.3500,

17.7820

252.0650, 1.3750,  
2.6150

65.5750, 10.3080,  
44.4840

65.5750, 10.3080,  
44.4840

56.7480, 11.4990,  
50.4350

74.4020, 9.1170,  
38.5330

48.2200, 13.2860,  
56.5980

82.9300, 7.3300,  
32.3700

42.9260, 14.2940,  
60.3580

91.7570, 6.1390,  
26.4190

100.5840, 4.9480,  
20.4680

109.1120, 3.1610,  
14.3050

■ 117.9390, 1.9700,  
8.3540

■ 126.7660, 0.7790,  
2.4030

■ 135.2940, -1.0080,  
-3.7600

■ 144.1210, -2.1990,  
-9.7110

# Harmonies

## Analogous

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



54.9930, -68.0430, 16.1890



65.5750, 10.3080, 44.4840



51.4790, 54.9170, 56.5250

# Triad

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



65.5750, 10.3080, 44.4840



63.9350, 42.1830, -10.0810



61.5400, -54.7870, -14.8110

# Complementary

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



65.5750, 10.3080, 44.4840



98.4250, -10.3080, -44.4840

# 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.



55.2530, -38.4620, -29.8380



65.5750, 10.3080, 44.4840



59.8830, 12.4300, -27.0420

# Square

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



65.5750, 10.3080, 44.4840



57.3550, 68.0840, 10.6120



47.5470, -22.2750, -42.3630



65.6270, -67.6730, -1.5370



# Rectangle

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



65.5750, 10.3080, 44.4840



50.0380, 69.0400, 48.3680



47.5470, -22.2750, -42.3630



59.6020, -49.3300, -20.0980

# Sweetspot

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



65.5750, 10.3080, 44.4840



143.2910, 4.2150, 17.2310



60.7930, -38.2410, 15.7350



69.2920, 2.4740, 10.2340



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000



# Same Dimension

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



65.5750, 10.3080, 44.4840



67.9790, 15.9430, 69.0230



71.2540, 33.1410, 43.6770



59.2930, 0.7330, 3.2370



42.1000, 13.7440, 59.3120



0.0000, 0.0000, 0.0000



# Inverse Universe

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



65.7820, 48.5490, 28.7490



68.3390, 75.3220, 44.6500



92.7460, -33.1410, -43.6770



59.3210, 3.5300, 2.1060



42.3760, 64.7320, 38.3320

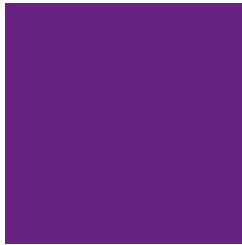


0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YIQ color 65.5750, 10.3080, 44.4840 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

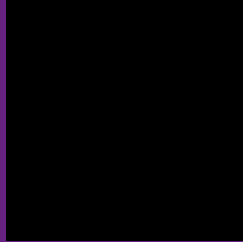
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 65.5750, 10.3080, 44.4840

## Background



This preview shows how black text looks on a background with the YIQ color 65.5750, 10.3080, 44.4840.



This preview shows how white text looks on a background with the YIQ color 65.5750, 10.3080,



# 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

65.5750, 10.3080, 44.4840

### Protanopia

54.5880, -62.7690, 8.7110

### Deuteranopia

54.5250, -58.4580, 2.1660



## Tritanopia

69.0350, 19.2550, 8.9750

# Trichromacy



## Original Color

65.5750, 10.3080, 44.4840

## Protanomaly

58.2650, -36.4540, 21.8980

## Deuteranomaly

58.2990, -33.7940, 17.7420

## Tritanomaly

67.6840, 16.4100, 21.9940

# Monochromacy



## Original Color

65.5750, 10.3080, 44.4840

## Achromatopsia

66.0000, -0.0000, -0.0000

## Achromatomaly

65.4650, 3.6650, 16.1850

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 65.5750, 10.3080, 44.4840 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(103, 34, 130)` looks like.

```
.text, #text, p{  
    color:rgb(103, 34, 130)  
}
```

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(103, 34, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 34, 130) }
```

## Border

The CSS property to change the border of an element to YIQ 65.5750, 10.3080, 44.4840 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(103, 34, 130) }
```



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

```
.border{ border-color:rgb(103, 34, 130) }
```

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

Here you see how a box with a 4 pixel rgb(103, 34, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 34, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 34, 130);  
box-shadow:4px 4px 4px 4px rgb(103, 34,  
130) }
```

# Background

The CSS property to change the background color of an element to YIQ 65.5750, 10.3080, 44.4840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 34, 130) }
```

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

```
.background{ background-color: rgb(103, 34,  
130) }
```

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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