

# Converting Colors

YIQ(133.9850, -48.3700,  
-4.4500)

Have a look what the booklet for  
YIQ(133.9850, -48.3700, -4.4500)  
contains.

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# Color

**YIQ(133.9850, -48.3700,  
-4.4500)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5596B4
RGB	85, 150, 180
RGB Percent	33%, 59%, 71%
CMY	0.6668, 0.4116, 0.2943
CMYK	0.53, 0.17, 0.00, 0.29
HSL	199°, 39%, 52%
HSV	199°, 53%, 71%
XYZ	22.8865, 27.0442, 47.1645
YIQ	133.9850, -48.3700, -4.4500

# Conversions

## Conversions Part 2

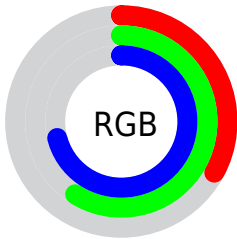
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	85, 124, 180
Decimal	5609140
CIE Lab	59.02, -12.28, -21.99
CIE LCh	59, 25.185, 240.826
Yxy	27.0442, 0.2357, 0.2785
Android (android.graphics.Color)	4283799220 (0xFF5596B4)
YUV	133.9850, 22.6854, -42.9598
Hunter-Lab	52.0040, -12.4507, -17.3697

# Details

The YIQ color  $133.9850, -48.3700, -4.4500$  is a dark color, and the websafe version is hex  $3399CC$ . A complement of this color would be  $131.0150, 48.3700, 4.4500$ , and the grayscale version is  $134.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $188.8110, -47.8200, -3.4040$ , and  $79.1690, -54.8800, -7.6160$  is the 20% darker color. If you saturate the color by 10%, you get  $125.0810, -57.4480, -5.1280$ , and if you desaturate by 10%, it is  $142.8890, -39.2920, -3.7720$ .

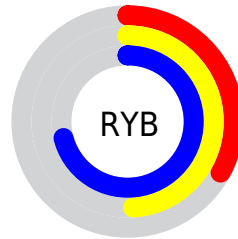
# Distribution



Red (33%)

Green (59%)

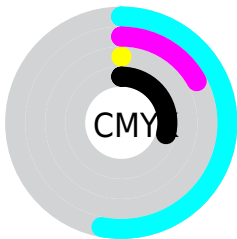
Blue (71%)



Red (33%)

Yellow (49%)

Blue (71%)

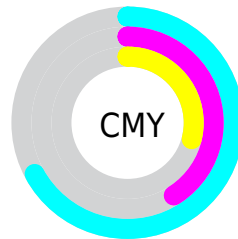


Cyan (53%)

Magenta (17%)

Yellow (0%)

Black (29%)



Cyan (67%)

Magenta (41%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 133.9850, -48.3700, -4.4500 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 133.9850, -48.3700, -4.4500 by changing the saturation by 10% instead.



■ 133.9850,  
-48.3700, -4.4500

■ 133.9850,  
-48.3700, -4.4500

■ 255.0000, -0.0000,  
-0.0000

■ 106.9740,  
-49.8370, -5.3970

■ 188.8110,  
-47.8200, -3.4040

■ 79.1690, -54.8800,  
-7.6160

■ 215.7850,  
-44.9310, -6.2030

■ 55.6530, -53.3670,  
-7.5030

■ 237.6580,  
-34.5680, -12.2960

■ 40.0030, -39.6130,  
-3.4610

■ 246.3290,  
-17.2840, -6.1480

■ 25.0540, -26.4550,  
0.3690

■ 5.0500, -11.4640,  
9.5280

■ 0.7980, -2.2470,

2.1770

■ 0.0000, 0.0000,  
0.0000

■ 133.9850,  
-48.3700, -4.4500

■ 133.9850,  
-48.3700, -4.4500

■ 125.0810,  
-57.4480, -5.1280

■ 142.8890,  
-39.2920, -3.7720

■ 116.7640,  
-66.8010, -6.3290

■ 151.2060,  
-29.9390, -2.5710

■ 107.8600,  
-75.8790, -7.0070

■ 160.1100,  
-20.8610, -1.8930

■ 98.9560, -84.9570,  
-7.6850

■ 169.0140,  
-11.7830, -1.2150

■ 92.7210, -91.6050,  
-8.3490

■ 177.3310, -2.4300,  
-0.0140

■ 186.2350, 6.6480,  
0.6640

■ 195.1390, 15.7260,  
1.3420

■ 203.4560, 25.0790,  
2.5430

■ 212.3600, 34.1570,  
3.2210

# Harmonies

## Analogous

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



130.9210, -51.4860, -14.0620



133.9850, -48.3700, -4.4500



139.8180, -31.3620, 6.7020

# Triad

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



133.9850, -48.3700, -4.4500



145.1660, 29.4320, 17.2720



138.2110, 6.0550, -16.1290

# Complementary

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



133.9850, -48.3700, -4.4500



131.0150, 48.3700, 4.4500

# 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.



140.8820, 23.3390, -9.9810



133.9850, -48.3700, -4.4500



143.8430, 37.4110, 10.3310

# Square

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



133.9850, -48.3700, -4.4500



145.5480, 13.7970, 19.7890



142.5510, 34.9370, 0.0970



135.1960, -15.9520, -19.2800



# Rectangle

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



133.9850, -48.3700, -4.4500



143.1190, -15.9120, 13.0480



142.5510, 34.9370, 0.0970



138.9730, 12.6570, -14.6310

# Sweetspot

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



133.9850, -48.3700, -4.4500



216.5940, -19.3480, -1.7800



143.9570, -35.1130, -40.9770



106.3130, -11.1870, -1.0030



245.0000, -0.0000, 0.0000



117.0000, -0.0000, 0.0000



# Same Dimension

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



133.9850, -48.3700, -4.4500



163.1590, -75.2830, -6.7950



106.9830, -35.7200, 19.6080



84.5480, -4.5390, -0.3390



79.0770, -77.9880, -7.3320



12.9430, -13.0210, -0.8050



# Inverse Universe

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



120.8150, 35.7550, 40.3550



142.7660, 55.7870, 62.7870



158.0170, 35.7200, -19.6080



83.3750, 3.4380, 3.7740



57.7170, 57.4830, 65.0910



9.7120, 10.0390, 10.7990



# Previews

## White Background



This preview shows how the YIQ color 133.9850, -48.3700, -4.4500 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 133.9850, -48.3700, -4.4500 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

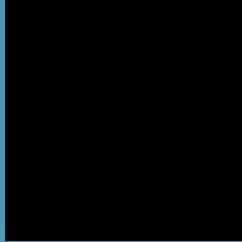
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 133.9850, -48.3700, -4.4500

## Background



This preview shows how black text looks on a background with the YIQ color 133.9850, -48.3700, -4.4500.



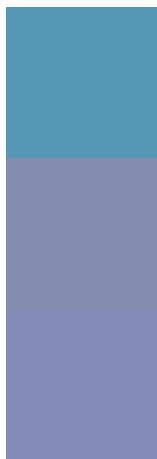
This preview shows how white text looks on a background with the YIQ color 133.9850, -48.3700,

-4.4500.

# 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

133.9850, -48.3700, -4.4500

### Protanopia

141.9680, -14.1690, 8.9910

### Deuteranopia

142.1080, -17.3790, 12.1010



## Tritanopia

132.5410, -47.3600, -11.7440

# Trichromacy



## Original Color

133.9850, -48.3700, -4.4500

## Protanomaly

139.2760, -26.9600, 4.0160

## Deuteranomaly

139.2590, -28.2900, 6.0940

## Tritanomaly

133.1220, -47.4980, -9.2420

# Monochromacy



## Original Color

133.9850, -48.3700, -4.4500

## Achromatopsia

134.0000, -0.0000, -0.0000

## Achromatomaly

134.0780, -17.8350, -1.6670

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 133.9850, -48.3700, -4.4500 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(85, 150, 180)` looks like.

```
.text, #text, p{  
    color:rgb(85, 150, 180)  
}
```

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(85, 150, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 150, 180) }
```

## Border

The CSS property to change the border of an element to YIQ 133.9850, -48.3700, -4.4500 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(85, 150, 180) }
```



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

```
.border{ border-color:rgb(85, 150, 180) }
```

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

Here you see how a box with a 4 pixel rgb(85, 150, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 150, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 150, 180);  
box-shadow:4px 4px 4px 4px rgb(85, 150,  
180) }
```

# Background

The CSS property to change the background color of an element to YIQ 133.9850, -48.3700, -4.4500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 150, 180) }
```

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

```
.background{ background-color: rgb(85, 150,  
180) }
```

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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