

# Converting Colors

YIQ(118.8590, 57.6770, 6.4850)

Have a look what the booklet for  
YIQ(118.8590, 57.6770, 6.4850)  
contains.

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# Color

**YIQ(118.8590, 57.6770,  
6.4850)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B26342
RGB	178, 99, 66
RGB Percent	70%, 39%, 26%
CMY	0.3018, 0.6119, 0.7409
CMYK	0.00, 0.44, 0.63, 0.30
HSL	18°, 46%, 48%
HSV	18°, 63%, 70%
XYZ	23.8139, 18.7815, 7.5344
YIQ	118.8590, 57.6770, 6.4850

# Conversions

## Conversions Part 2

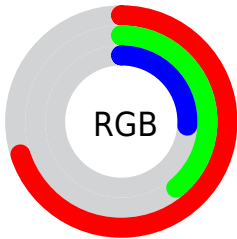
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	178, 113, 66
Decimal	11690818
CIE Lab	50.43, 28.87, 32.43
CIE LCh	50, 43.417, 48.319
Yxy	18.7815, 0.4750, 0.3747
Android (android.graphics.Color)	4289880898 (0xFFB26342)
YUV	118.8590, -26.0595, 51.8667
Hunter-Lab	43.3376, 22.2442, 20.0286

# Details

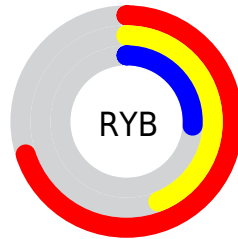
The YIQ color **118.8590, 57.6770, 6.4850** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **125.1410, -57.6770, -6.4850**, and the grayscale version is **119.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **172.6100, 62.8120, 7.0360**, and **67.9230, 51.6250, 6.0330** is the 20% darker color. If you saturate the color by 10%, you get **109.1760, 67.0300, 7.6860**, and if you desaturate by 10%, it is **128.5420, 48.3240, 5.2840**.

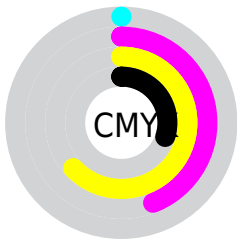
# Distribution



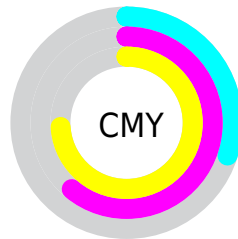
- Red (70%)
- Green (39%)
- Blue (26%)



- Red (70%)
- Yellow (44%)
- Blue (26%)



- Cyan (0%)
- Magenta (44%)
- Yellow (63%)
- Black (30%)



- Cyan (30%)
- Magenta (61%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 118.8590, 57.6770, 6.4850 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 118.8590, 57.6770, 6.4850 by changing the saturation by 10% instead.



■ 118.8590, 57.6770,  
6.4850

■ 118.8590, 57.6770,  
6.4850

■ 255.0000, -0.0000,  
-0.0000

■ 92.8910, 54.6510,  
6.2590

■ 172.6100, 62.8120,  
7.0360

■ 67.9230, 51.6250,  
6.0330

■ 196.8050, 57.7690,  
4.8170

■ 43.6560, 48.0030,  
5.5950

■ 216.2050, 41.7230,  
-1.7410

■ 20.6090, 38.1900,  
12.7340

■ 235.8330, 25.0350,  
-7.6770

■ 12.6720, 24.7110,  
9.2150

■ 251.3520, 10.2720,  
-9.9520

■ 0.0000, 0.0000,  
0.0000

■ 254.5440, 1.2840,

-1.2440

■ 118.8590, 57.6770,  
6.4850

■ 118.8590, 57.6770,  
6.4850

■ 109.1760, 67.0300,  
7.6860

■ 128.5420, 48.3240,  
5.2840

■ 100.0800, 76.1080,  
8.3640

■ 137.6380, 39.2460,  
4.6060

■ 90.5110, 85.1400,  
9.8760

■ 147.2070, 30.2140,  
3.0940

■ 83.7460, 91.7880,  
10.5400

■ 156.3030, 21.1360,  
2.4160

■ 165.9860, 11.7830,  
1.2150

■ 175.0820, 2.7050,  
0.5370

■ 184.7650, -6.6480,  
-0.6640

■ 194.3340,  
-15.6800, -2.1760

■ 203.4300,  
-24.7580, -2.8540

# Harmonies

## Analogous

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



120.0400, 56.3900, 24.3100



118.8590, 57.6770, 6.4850



117.2080, 45.6680, -12.6680

# Triad

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



118.8590, 57.6770, 6.4850



92.8620, -71.3340, -39.8300



118.7550, -35.0780, 18.9860

# Complementary

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



118.8590, 57.6770, 6.4850



125.1410, -57.6770, -6.4850

# 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.



97.0240, -96.8320, -7.2320



118.8590, 57.6770, 6.4850



97.1940, -83.5320, -28.0120

# Square

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



118.8590, 57.6770, 6.4850



108.6610, -13.4280, -31.9880



99.6680, -93.2540, -17.0140



123.8160, 7.6510, 32.0590



# Rectangle

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



118.8590, 57.6770, 6.4850



115.0980, 30.9980, -22.1380



99.6680, -93.2540, -17.0140



114.2580, -52.9120, 11.7920

# Sweetspot

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



118.8590, 57.6770, 6.4850



208.7870, 22.6490, 2.5290



108.6080, 41.0720, 48.6240



102.7690, 13.8920, 1.5400



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.



118.8590, 57.6770, 6.4850



139.9630, 89.6790, 10.2150



151.1440, 42.5520, -22.2800



84.4520, 4.5390, 0.3390



72.1620, 78.8130, 8.9010



11.8830, 13.5710, 1.8510



# Inverse Universe

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



125.1410, -57.6770, -6.4850



150.0370, -89.6790, -10.2150



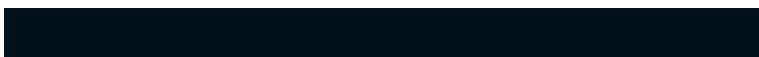
92.8560, -42.5520, 22.2800



85.1350, -4.8140, -0.8620



80.8380, -78.8130, -8.9010



13.5300, -13.2960, -1.3280



# Previews

## White Background



This preview shows how the YIQ color 118.8590, 57.6770, 6.4850 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

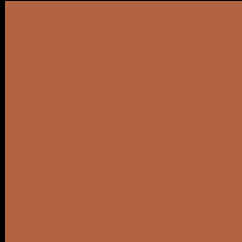
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 118.8590, 57.6770, 6.4850 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 118.8590, 57.6770, 6.4850

## Background



This preview shows how black text looks on a background with the YIQ color 118.8590, 57.6770, 6.4850.



This preview shows how white text looks on a background with the YIQ color 118.8590, 57.6770,

6.4850.

# 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

118.8590, 57.6770, 6.4850

### Protanopia

118.9310, 21.6430, -12.2850

### Deuteranopia

118.9390, 36.3600, -9.1760



## Tritanopia

121.0990, 48.7340, 19.8860

# Trichromacy



## Original Color

118.8590, 57.6770, 6.4850

## Protanomaly

118.9760, 34.9380, -5.4300

## Deuteranomaly

118.8200, 44.2450, -3.3950

## Tritanomaly

119.9050, 52.0360, 15.1080

# Monochromacy



## Original Color

118.8590, 57.6770, 6.4850

## Achromatopsia

119.0000, -0.0000, 0.0000

## Achromatomaly

119.0040, 20.5400, 2.2040

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 118.8590, 57.6770, 6.4850 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(178, 99, 66)` looks like.

```
.text, #text, p{  
    color:rgb(178, 99, 66)  
}
```

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(178, 99, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 99, 66) }
```

## Border

The CSS property to change the border of an element to YIQ 118.8590, 57.6770, 6.4850 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(178, 99, 66) }
```



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

```
.border{ border-color:rgb(178, 99, 66) }
```

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

Here you see how a box with a 4 pixel rgb(178, 99, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 99, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 99, 66);  
box-shadow:4px 4px 4px 4px rgb(178, 99,  
66) }
```

# Background

The CSS property to change the background color of an element to YIQ 118.8590, 57.6770, 6.4850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 99, 66) }
```

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

```
.background{ background-color: rgb(178, 99,  
66) }
```

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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