

# Converting Colors

YIQ(118.3120, 69.6430, 9.8910)

Have a look what the booklet for  
YIQ(118.3120, 69.6430, 9.8910)  
contains.

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# Color

**YIQ(118.3120, 69.6430,  
9.8910)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BF5D3A
RGB	191, 93, 58
RGB Percent	75%, 36%, 23%
CMY	0.2508, 0.6354, 0.7722
CMYK	0.00, 0.51, 0.70, 0.25
HSL	16°, 53%, 49%
HSV	16°, 70%, 75%
XYZ	26.1758, 19.2111, 6.3418
YIQ	118.3120, 69.6430, 9.8910

# Conversions

## Conversions Part 2

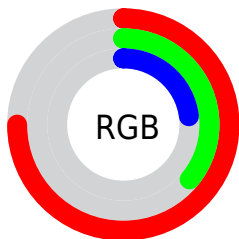
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">191, 106, 58</a>
Decimal	<a href="#">12541242</a>
CIELab	<a href="#">50.93, 36.80, 37.88</a>
CIElCh	<a href="#">51, 52.809, 45.826</a>
Yxy	<a href="#">19.2111, 0.5060, 0.3714</a>
Android (android.graphics.Color)	<a href="#">4290731322 (0xFFBF5D3A)</a>
YUV	<a href="#">118.3120, -29.7338, 63.7474</a>
Hunter-Lab	<a href="#">43.8305, 29.8981, 22.1027</a>

# Details

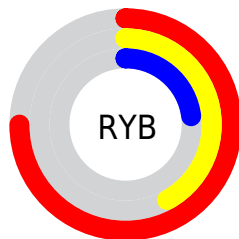
The YIQ color **118.3120, 69.6430, 9.8910** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **130.6880, -69.6430, -9.8910**, and the grayscale version is **119.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **172.6610, 75.9700, 10.8660**, and **66.0770, 62.9950, 9.2270** is the 20% darker color. If you saturate the color by 10%, you get **107.9280, 79.5920, 11.3040**, and if you desaturate by 10%, it is **128.6960, 59.6940, 8.4780**.

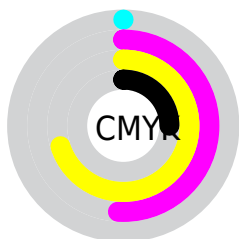
# Distribution



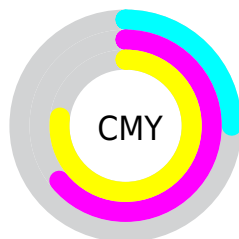
- Red (75%)
- Green (36%)
- Blue (23%)



- Red (75%)
- Yellow (42%)
- Blue (23%)



- Cyan (0%)
- Magenta (51%)
- Yellow (70%)
- Black (25%)




- Cyan (25%)
- Magenta (64%)
- Yellow (77%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 118.3120, 69.6430, 9.8910 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 118.3120, 69.6430, 9.8910 by changing the saturation by 10% instead.





 118.3120, 69.6430,  
9.8910


 118.3120, 69.6430,  
9.8910


255.0000, -0.0000,  
-0.0000


 92.0450, 66.0210,  
9.4530


 172.6610, 75.9700,  
10.8660


 66.0770, 62.9950,  
9.2270


 192.2570, 62.3080,  
5.1560


 40.1890, 56.9880,  
13.4680

 211.7710, 45.9410,  
-1.0910

 22.1260, 44.1040,  
15.6880

 231.8720, 29.2990,  
-7.8610

 14.7650, 28.8830,  
10.6990

 250.3260, 13.1610,  
-12.7510

 0.0000, 0.0000,  
0.0000

 253.5180, 4.1730,

-4.0430

■ 118.3120, 69.6430,  
9.8910

■ 118.3120, 69.6430,  
9.8910

■ 107.9280, 79.5920,  
11.3040

■ 128.6960, 59.6940,  
8.4780

■ 97.5440, 89.5410,  
12.7170

■ 139.0800, 49.7450,  
7.0650

■ 87.1600, 99.4900,  
14.1300

■ 149.4640, 39.7960,  
5.6520

■ 86.4590, 100.0860,  
14.3420

■ 159.8480, 29.8470,  
4.2390

■ 170.3460, 19.5770,  
3.1370

■ 181.3170, 9.3530,  
1.2010

■ 191.7010, -0.5960,  
-0.2120

■ 202.0850,  
-10.5450, -1.6250

■ 212.4690,  
-20.4940, -3.0380

# Harmonies

## Analogous

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



118.3560, 67.4840, 32.5080



118.3120, 69.6430, 9.8910



116.5590, 57.6810, -15.6230

# Triad

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



118.3120, 69.6430, 9.8910



93.9390, -70.2330, -43.2650



116.5990, -52.1340, 19.7220

# Complementary

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



118.3120, 69.6430, 9.8910



130.6880, -69.6430, -9.8910

# 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.



101.3100, -103.3890, -4.0370



118.3120, 69.6430, 9.8910



100.4710, -85.8700, -29.6940

# Square

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



118.3120, 69.6430, 9.8910



106.6190, -13.6100, -39.7060



103.2700, -97.8850, -15.6850



125.2490, 5.1740, 38.4060



# Rectangle

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



118.3120, 69.6430, 9.8910



114.3300, 41.7280, -29.3760



103.2700, -97.8850, -15.6850



103.7190, -88.1230, 5.6450

# Sweetspot

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



118.3120, 69.6430, 9.8910



218.7660, 27.1420, 3.7020



109.1670, 47.1680, 59.2960



107.9650, 16.2760, 2.3880



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.



118.3120, 69.6430, 9.8910



133.5910, 108.5220, 15.6420



156.4670, 51.7680, -24.1040



88.8650, 4.8140, 0.8620



71.3090, 82.8930, 12.0530



13.9650, 16.2760, 2.3880



# Inverse Universe

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



130.6880, -69.6430, -9.8910



153.4090, -108.5220, -15.6420



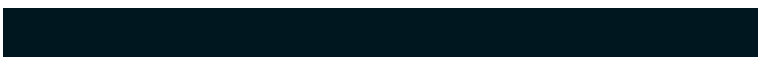
92.5330, -51.7680, 24.1040



90.1350, -4.8140, -0.8620



86.6910, -82.8930, -12.0530

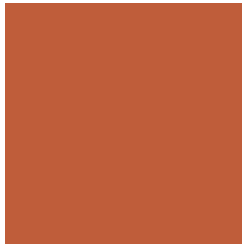


17.0350, -16.2760, -2.3880



# Previews

## White Background



This preview shows how the YIQ color 118.3120, 69.6430, 9.8910 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 118.3120, 69.6430, 9.8910 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 118.3120, 69.6430, 9.8910

## Background



This preview shows how black text looks on a background with the YIQ color 118.3120, 69.6430, 9.8910.



This preview shows how white text looks on a background with the YIQ color 118.3120, 69.6430,



# 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

118.3120, 69.6430, 9.8910

### Protanopia

119.4320, 24.4860, -14.2500

### Deuteranopia

119.2830, 41.0830, -12.1730



## Tritanopia

120.7800, 60.0580, 23.9140

# Trichromacy



## Original Color

118.3120, 69.6430, 9.8910

## Protanomaly

118.7980, 41.3110, -5.2890

## Deuteranomaly

119.3000, 51.5810, -4.1870

## Tritanomaly

119.5860, 63.3600, 19.1360

# Monochromacy



## Original Color

118.3120, 69.6430, 9.8910

## Achromatopsia

118.0000, 0.0000, -0.0000

## Achromatomaly

118.2820, 25.6290, 3.5890

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 118.3120, 69.6430, 9.8910 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(191, 93, 58)` looks like.

```
.text, #text, p{  
    color:rgb(191, 93, 58)  
}
```

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(191, 93, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 93, 58) }
```

## Border

The CSS property to change the border of an element to YIQ 118.3120, 69.6430, 9.8910 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(191, 93, 58) }
```



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

```
.border{ border-color:rgb(191, 93, 58) }
```

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

Here you see how a box with a 4 pixel rgb(191, 93, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 93, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 93, 58);  
box-shadow:4px 4px 4px 4px rgb(191, 93,  
58) }
```

# Background

The CSS property to change the background color of an element to YIQ 118.3120, 69.6430, 9.8910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 93, 58) }
```

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

```
.background{ background-color: rgb(191, 93,  
58) }
```

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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