

# Converting Colors

YIQ(117.3060, 86.9750, 4.1510)

Have a look what the booklet for  
YIQ(117.3060, 86.9750, 4.1510)  
contains.

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# Color

**YIQ(117.3060, 86.9750,  
4.1510)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CB5B1C
RGB	203, 91, 28
RGB Percent	80%, 36%, 11%
CMY	0.2037, 0.6433, 0.8898
CMYK	0.00, 0.55, 0.86, 0.20
HSL	22°, 76%, 45%
HSV	22°, 86%, 80%
XYZ	28.5922, 20.2631, 3.5091
YIQ	117.3060, 86.9750, 4.1510

# Conversions

## Conversions Part 2

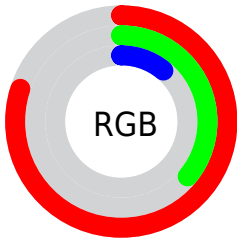
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	203, 126, 28
Decimal	13327132
CIE <sub>Lab</sub>	52.13, 41.34, 53.82
CIE <sub>LCh</sub>	52, 67.870, 52.471
Yxy	20.2631, 0.5460, 0.3870
Android (android.graphics.Color)	4291517212 (0xFFCB5B1C)
YUV	117.3060, -44.0279, 75.1536
Hunter-Lab	45.0145, 34.6039, 26.8882

# Details

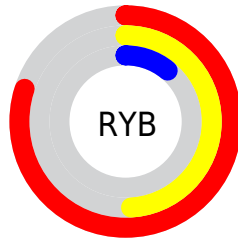
The YIQ color **117.3060, 86.9750, 4.1510** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed red. A complement of this color would be **113.6940, -86.9750, -4.1510**, and the grayscale version is **118.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **169.7790, 87.0210, 3.3170**, and **65.3510, 73.9070, 9.7070** is the 20% darker color. If you saturate the color by 10%, you get **107.3950, 96.9700, 4.7300**, and if you desaturate by 10%, it is **127.2170, 76.9800, 3.5720**.

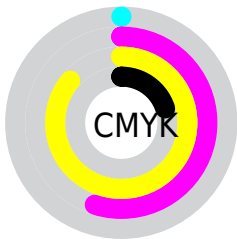
# Distribution



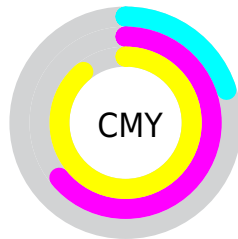
- Red (80%)
- Green (36%)
- Blue (11%)



- Red (80%)
- Yellow (49%)
- Blue (11%)



- Cyan (0%)
- Magenta (55%)
- Yellow (86%)
- Black (20%)



- Cyan (20%)
- Magenta (64%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 117.3060, 86.9750, 4.1510 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 117.3060, 86.9750, 4.1510 by changing the saturation by 10% instead.



■ 117.3060, 86.9750,  
4.1510

■ 117.3060, 86.9750,  
4.1510

■ 255.0000, -0.0000,  
-0.0000

■ 89.5830, 84.6370,  
2.4690

■ 169.7790, 87.0210,  
3.3170

■ 65.3510, 73.9070,  
9.7070

■ 188.4780, 71.5710,  
-3.0290

■ 37.8850, 63.9560,  
19.3480

■ 207.9920, 55.2040,  
-9.2760

■ 24.5180, 48.8720,  
17.3840

■ 227.3920, 39.1580,  
-15.8340

■ 16.5590, 32.4590,  
11.9710

■ 247.0200, 22.4700,  
-21.7700

■ 5.3820, 10.7280,  
3.8160

■ 250.2120, 13.4820,

■ 0.0000, 0.0000,

-13.0620

0.0000

253.5180, 4.1730,  
-4.0430

117.3060, 86.9750,  
4.1510

117.3060, 86.9750,  
4.1510

107.3950, 96.9700,  
4.7300

127.2170, 76.9800,  
3.5720

103.5480,  
100.9130, 4.8570

137.2420, 66.6640,  
3.3040

147.1530, 56.6690,  
2.7250

157.0640, 46.6740,  
2.1460

167.0890, 36.3580,  
1.8780

■ 177.0000, 26.3630,  
1.2990

■ 186.9110, 16.3680,  
0.7200

■ 196.9360, 6.0520,  
0.4520

■ 206.8470, -3.9430,  
-0.1270

# Harmonies

## Analogous

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



114.4190, 89.5360, 40.3520



117.3060, 86.9750, 4.1510



117.1170, 64.3770, -26.8470

# Triad

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



117.3060, 86.9750, 4.1510



99.6610, -75.3220, -44.6500



120.0800, -54.5660, 30.7620

# Complementary

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



117.3060, 86.9750, 4.1510



113.6940, -86.9750, -4.1510

# 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.



107.3060, -114.7610, 3.8230



117.3060, 86.9750, 4.1510



107.0880, -94.8570, -26.5130

# Square

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



117.3060, 86.9750, 4.1510



89.8860, -54.6870, -60.6950



110.9130, -109.7610, -9.7050



126.3470, 20.1180, 53.9260



# Rectangle

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



117.3060, 86.9750, 4.1510



113.9950, 40.8130, -40.3310



110.9130, -109.7610, -9.7050



99.4470, -110.5440, 10.0000

# Sweetspot

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



117.3060, 86.9750, 4.1510



222.8220, 32.7360, 1.4400



93.3210, 67.7060, 72.5540



108.1780, 19.9900, 1.1580



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



117.3060, 86.9750, 4.1510



130.2490, 126.6800, 5.9440



167.7880, 63.3250, -40.8270



96.7510, 5.1350, 0.5510



84.8540, 82.4360, 3.8120



19.5800, 18.7980, 0.7340



# Inverse Universe

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



113.6940, -86.9750, -4.1510



124.7510, -126.6800, -5.9440



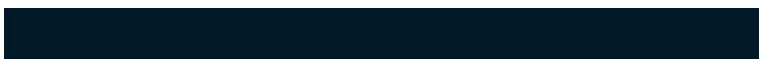
63.2120, -63.3250, 40.8270



96.6620, -4.8600, -0.0280



81.1460, -82.4360, -3.8120



19.0070, -19.0730, -1.2570



# Previews

## White Background



This preview shows how the YIQ color 117.3060, 86.9750, 4.1510 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 117.3060, 86.9750, 4.1510 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 117.3060, 86.9750, 4.1510

## Background



This preview shows how black text looks on a background with the YIQ color 117.3060, 86.9750, 4.1510.



This preview shows how white text looks on a background with the YIQ color 117.3060, 86.9750,



# 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

117.3060, 86.9750, 4.1510

### Protanopia

119.4530, 37.1880, -24.1880

### Deuteranopia

117.5340, 58.8290, -25.4190



## Tritanopia

121.5640, 69.5940, 27.3060

# Trichromacy



## Original Color

117.3060, 86.9750, 4.1510

## Protanomaly

118.9440, 55.1590, -13.9690

## Deuteranomaly

117.2460, 68.8680, -14.6200

## Tritanomaly

119.8170, 75.8310, 18.8950

# Monochromacy



## Original Color

117.3060, 86.9750, 4.1510

## Achromatopsia

117.0000, -0.0000, 0.0000

## Achromatomaly

117.3380, 31.2230, 1.3270

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 117.3060, 86.9750, 4.1510 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(203, 91, 28)` looks like.

```
.text, #text, p{  
    color:rgb(203, 91, 28)  
}
```

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(203, 91, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 91, 28) }
```

## Border

The CSS property to change the border of an element to YIQ 117.3060, 86.9750, 4.1510 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(203, 91, 28) }
```



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

```
.border{ border-color:rgb(203, 91, 28) }
```

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

Here you see how a box with a 4 pixel rgb(203, 91, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 91, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 91, 28);  
box-shadow:4px 4px 4px 4px rgb(203, 91,  
28) }
```

# Background

The CSS property to change the background color of an element to YIQ 117.3060, 86.9750, 4.1510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 91, 28) }
```

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

```
.background{ background-color: rgb(203, 91,  
28) }
```

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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