

# Converting Colors

YIQ(110.5150, 87.3440, -8.0480)

Have a look what the booklet for  
YIQ(110.5150, 87.3440, -8.0480)  
contains.

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# Color

**YIQ(110.5150, 87.3440,  
-8.0480)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | BD5C00                     |
| RGB         | 189, 92, 0                 |
| RGB Percent | 74%, 36%, 0%               |
| CMY         | 0.2587, 0.6394, 0.9996     |
| CMYK        | 0.00, 0.51, 1.00, 0.26     |
| HSL         | 29°, 100%, 37%             |
| HSV         | 29°, 100%, 74%             |
| XYZ         | 24.8214, 18.4719, 2.2603   |
| YIQ         | 110.5150, 87.3440, -8.0480 |

# Conversions

## Conversions Part 2

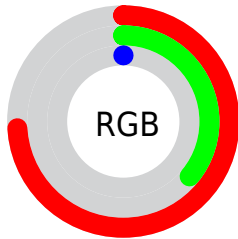
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 189, 179, 0                    |
| Decimal                             | 12409856                       |
| CIELab                              | 50.06, 34.84, 58.94            |
| CIELCh                              | 50, 68.463, 59.412             |
| Yxy                                 | 18.4719, 0.5449,<br>0.4055     |
| Android<br>(android.graphics.Color) | 4290599936<br>(0xFFBD5C00)     |
| YUV                                 | 110.5150, -54.4839,<br>68.8313 |
| Hunter-Lab                          | 42.9789, 27.8751,<br>26.9672   |

# Details

The YIQ color **110.5150, 87.3440, -8.0480** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **78.4850, -87.3440, 8.0480**, and the grayscale version is **111.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **166.9440, 90.6900, -2.6060**, and **63.5130, 64.4630, 4.6470** is the 20% darker color. If you saturate the color by 10%, you get **110.5150, 87.3440, -8.0480**, and if you desaturate by 10%, it is **118.5510, 78.4950, -7.3690**.

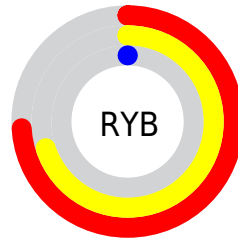
# Distribution



Red (74%)

Green (36%)

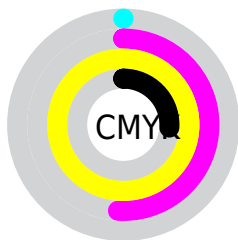
Blue (0%)



Red (74%)

Yellow (70%)

Blue (0%)

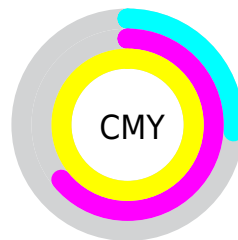


Cyan (0%)

Magenta (51%)

Yellow (100%)

Black (26%)



Cyan (26%)

Magenta (64%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 110.5150, 87.3440, -8.0480 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 110.5150, 87.3440, -8.0480 by changing the saturation by 10% instead.



110.5150, 87.3440,  
-8.0480

110.5150, 87.3440,  
-8.0480

254.8860, 0.3210,  
-0.3110

86.5710, 75.7430,  
-1.5450

166.9440, 90.6900,  
-2.6060

63.5130, 64.4630,  
4.6470

186.6540, 76.7070,  
-8.0050

39.5800, 54.3290,  
12.0970

205.4670, 60.9360,  
-14.0400

20.9300, 41.7200,  
14.8400

225.5680, 44.2940,  
-20.8100

13.9820, 26.7740,  
10.3740

245.0820, 27.9270,  
-27.0570

0.0000, 0.0000,  
0.0000

248.2740, 18.9390,

-18.3490

■ 251.5800, 9.6300,  
-9.3300

■ 110.5150, 87.3440,  
-8.0480

■ 118.5510, 78.4950,  
-7.3690

■ 126.0000, 69.9210,  
-6.1670

■ 134.0360, 61.0720,  
-5.4880

■ 142.0720, 52.2230,  
-4.8090

■ 150.1080, 43.3740,  
-4.1300

■ 157.5570, 34.8000,  
-2.9280

■ 165.4790, 26.2720,  
-2.5600

■ 173.5150, 17.4230,  
-1.8810

■ 180.9640, 8.8490,  
-0.6790

# Harmonies

## Analogous

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



108.5020, 90.5000, 33.8920



110.5150, 87.3440, -8.0480



111.4470, 54.5200, -29.9280

# Triad

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



110.5150, 87.3440, -8.0480



97.7520, -76.8360, -39.2360



119.2460, -34.3020, 37.9700

# Complementary

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



110.5150, 87.3440, -8.0480



78.4850, -87.3440, 8.0480

# 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.



101.5670, -111.0020, 7.2860



110.5150, 87.3440, -8.0480



104.4780, -95.7750, -20.8870

# Square

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



110.5150, 87.3440, -8.0480



89.0370, -56.4300, -56.6380



107.1460, -108.7990, -5.1110



118.8710, 33.3220, 56.9220



# Rectangle

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



110.5150, 87.3440, -8.0480



107.4280, 29.1680, -44.0480



107.1460, -108.7990, -5.1110



110.7900, -68.5490, 25.3630

# Sweetspot

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



110.5150, 87.3440, -8.0480



214.2580, 34.2040, -3.1400



67.6830, 81.1860, 70.5460



104.0700, 20.1740, -2.1780



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000



# Same Dimension

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



110.5150, 87.3440, -8.0480



143.1080, 113.2950, -10.2970



165.6930, 61.4940, -57.2100



90.6260, 3.9890, -0.7070



92.4410, 72.9930, -6.7750



18.0740, 14.3510, -1.2730



# Inverse Universe

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



78.4850, -87.3440, 8.0480



101.8920, -113.2950, 10.2970



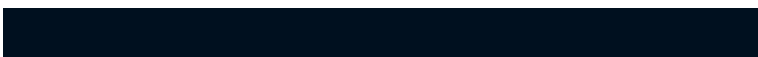
23.3070, -61.4940, 57.2100



88.9610, -4.2640, 0.1840



65.5590, -72.9930, 6.7750



12.9260, -14.3510, 1.2730



# Previews

## White Background



This preview shows how the YIQ color 110.5150, 87.3440, -8.0480 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 110.5150, 87.3440, -8.0480 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 110.5150, 87.3440, -8.0480**

## **Background**



This preview shows how black text looks on a background with the YIQ color 110.5150, 87.3440, -8.0480.



This preview shows how white text looks on a background with the YIQ color 110.5150, 87.3440, -8.0480.

-8.0480.

# 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

110.5150, 87.3440, -8.0480

### Protanopia

112.7430, 42.0030, -28.8530

### Deuteranopia

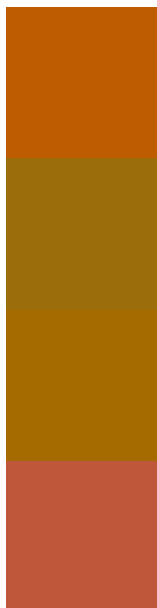
112.0670, 58.6460, -27.6100



## Tritanopia

118.2640, 61.5710, 24.0270

# Trichromacy



## Original Color

110.5150, 87.3440, -8.0480

## Protanomaly

112.1690, 58.5990, -21.2490

## Deuteranomaly

111.5570, 69.1900, -20.4580

## Tritanomaly

115.3770, 71.0180, 12.5060

# Monochromacy



## Original Color

110.5150, 87.3440, -8.0480

## Achromatopsia

111.0000, -0.0000, 0.0000

## Achromatomaly

110.7030, 31.4530, -2.8430

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 110.5150, 87.3440, -8.0480 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(189, 92, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 92, 0)  
}
```

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(189, 92, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 92, 0) }
```

## Border

The CSS property to change the border of an element to YIQ 110.5150, 87.3440, -8.0480 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(189, 92, 0) }
```



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

```
.border{ border-color:rgb(189, 92, 0) }
```

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

Here you see how a box with a 4 pixel rgb(189, 92, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 92, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 92, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 92, 0)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 110.5150, 87.3440, -8.0480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 92, 0) }
```

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

```
.background{ background-color: rgb(189, 92,  
0) }
```

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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