

# Converting Colors

YIQ(122.0440, 92.9840,  
-11.1440)

Have a look what the booklet for  
YIQ(122.0440, 92.9840, -11.1440)  
contains.

<b>YIQ(122.0440, 92.9840, -11.1440)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(122.0440, 92.9840,  
-11.1440)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC6800
RGB	204, 104, 0
RGB Percent	80%, 41%, 0%
CMY	0.1998, 0.5923, 0.9995
CMYK	0.00, 0.49, 1.00, 0.20
HSL	31°, 100%, 40%
HSV	31°, 100%, 80%
XYZ	29.8606, 22.7360, 2.8179
YIQ	122.0440, 92.9840, -11.1440

# Conversions

## Conversions Part 2

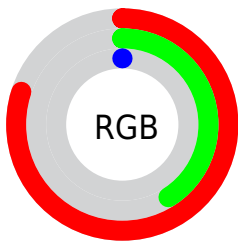
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 204, 0
Decimal	13395968
CIE <sub>Lab</sub>	54.80, 34.73, 62.91
CIE <sub>LCh</sub>	55, 71.861, 61.095
Yxy	22.7360, 0.5389, 0.4103
Android (android.graphics.Color)	4291586048 (0xFFCC6800)
YUV	122.0440, -60.1677, 71.8754
Hunter-Lab	47.6823, 28.3403, 29.8736

# Details

The YIQ color **122.0440, 92.9840, -11.1440** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **81.9560, -92.9840, 11.1440**, and the grayscale version is **123.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **175.2270, 88.2150, -7.3130**, and **74.4550, 70.3780, 2.0740** is the 20% darker color. If you saturate the color by 10%, you get **122.0440, 92.9840, -11.1440**, and if you desaturate by 10%, it is **130.3080, 83.4930, -9.8430**.

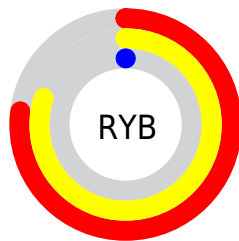
# Distribution



Red (80%)

Green (41%)

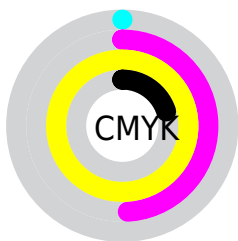
Blue (0%)



Red (77%)

Yellow (80%)

Blue (0%)

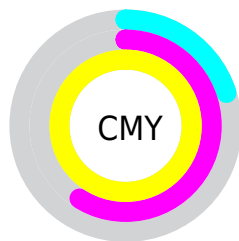


Cyan (0%)

Magenta (49%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (59%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 122.0440, 92.9840, -11.1440 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 122.0440, 92.9840, -11.1440 by changing the saturation by 10% instead.



122.0440, 92.9840,  
-11.1440

122.0440, 92.9840,  
-11.1440

255.0000, -0.0000,  
-0.0000

98.1000, 81.3830,  
-4.6410

175.2270, 88.2150,  
-7.3130

74.4550, 70.3780,  
2.0740

194.7410, 71.8480,  
-13.5600

51.0980, 58.5020,  
8.0540

214.1410, 55.8020,  
-20.1180

25.9910, 48.9180,  
16.5500

233.6550, 39.4350,  
-26.3650

16.7440, 33.3760,  
11.8720

245.6520, 26.3220,  
-25.5020

7.5890, 14.5790,  
5.6110

248.8440, 17.3340,

0.0000, 0.0000,

-16.7940

0.0000

■ 252.1500, 8.0250,  
-7.7750

■ 122.0440, 92.9840,  
-11.1440

■ 130.3080, 83.4930,  
-9.8430

■ 138.4580, 74.3230,  
-8.8530

■ 146.6080, 65.1530,  
-7.8630

■ 154.8720, 55.6620,  
-6.5620

■ 163.0220, 46.4920,  
-5.5720

■ 171.2860, 37.0010,  
-4.2710

■ 179.4360, 27.8310,  
-3.2810

■ 187.5860, 18.6610,  
-2.2910

■ 195.8500, 9.1700,  
-0.9900

# Harmonies

## Analogous

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



120.9110, 96.5980, 33.5100



122.0440, 92.9840, -11.1440



122.3670, 57.5010, -34.3950

# Triad

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



122.0440, 92.9840, -11.1440



107.7940, -85.8220, -41.5820



132.1480, -30.9100, 42.5780

# Complementary

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



122.0440, 92.9840, -11.1440



81.9560, -92.9840, 11.1440

# 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.



110.0760, -119.8050, 7.1310



122.0440, 92.9840, -11.1440



114.8620, -105.7240, -22.3000

# Square

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



122.0440, 92.9840, -11.1440



98.6230, -64.1320, -60.2280



117.1710, -119.1150, -5.3790



130.4420, 39.1440, 61.5440



# Rectangle

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



122.0440, 92.9840, -11.1440



117.4510, 30.3610, -49.1510



117.1710, -119.1150, -5.3790



124.9910, -64.5610, 30.1830

# Sweetspot

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



122.0440, 92.9840, -11.1440



224.0300, 34.8460, -3.7620



72.6240, 88.8420, 74.9700



109.2550, 21.0910, -2.2770



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.



122.0440, 92.9840, -11.1440



152.5550, 116.2300, -13.9300



180.7440, 65.4840, -63.4440



97.9250, 4.5850, -0.4950



98.9420, 75.8360, -8.7400



22.5150, 17.4230, -1.8810



# Inverse Universe

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



81.9560, -92.9840, 11.1440



102.4450, -116.2300, 13.9300



23.2560, -65.4840, 63.4440



96.0750, -4.5850, 0.4950



66.4710, -75.5610, 9.2630



15.4850, -17.4230, 1.8810



# Previews

## White Background



This preview shows how the YIQ color 122.0440, 92.9840, -11.1440 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 122.0440, 92.9840, -11.1440 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 122.0440, 92.9840, -11.1440

## Background



This preview shows how black text looks on a background with the YIQ color 122.0440, 92.9840, -11.1440.



This preview shows how white text looks on a background with the YIQ color 122.0440, 92.9840, -11.1440.

-11.1440.

# 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

122.0440, 92.9840, -11.1440

### Protanopia

124.0870, 46.7260, -31.8500

### Deuteranopia

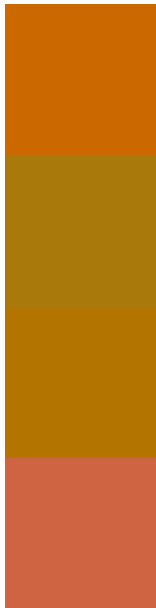
123.0090, 64.5610, -30.1830



## Tritanopia

130.5740, 63.6340, 25.1860

# Trichromacy



## Original Color

122.0440, 92.9840, -11.1440

## Protanomaly

123.3990, 63.6430, -24.5570

## Deuteranomaly

122.4990, 75.1050, -23.0310

## Tritanomaly

127.8180, 74.0900, 11.8980

# Monochromacy



## Original Color

122.0440, 92.9840, -11.1440

## Achromatopsia

122.0000, 0.0000, -0.0000

## Achromatomaly

121.8450, 33.9290, -3.6630

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 122.0440, 92.9840, -11.1440 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(204, 104, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 104, 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(204, 104, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 104, 0) }
```

## Border

The CSS property to change the border of an element to YIQ 122.0440, 92.9840, -11.1440 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(204, 104, 0) }
```



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

```
.border{ border-color:rgb(204, 104, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 104, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 104, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 104, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 104,  
0) }
```

# Background

The CSS property to change the background color of an element to YIQ 122.0440, 92.9840, -11.1440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 104, 0) }
```

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

```
.background{ background-color: rgb(204,  
104, 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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