

# Converting Colors

YIQ(124.3470, 87.7570,  
-10.0270)

Have a look what the booklet for  
YIQ(124.3470, 87.7570, -10.0270)  
contains.

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# Color

**YIQ(124.3470, 87.7570,  
-10.0270)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CA6B0A
RGB	202, 107, 10
RGB Percent	79%, 42%, 4%
CMY	0.2077, 0.5805, 0.9603
CMYK	0.00, 0.47, 0.95, 0.21
HSL	30°, 90%, 42%
HSV	30°, 95%, 79%
XYZ	29.6774, 23.0916, 3.1832
YIQ	124.3470, 87.7570, -10.0270

# Conversions

## Conversions Part 2

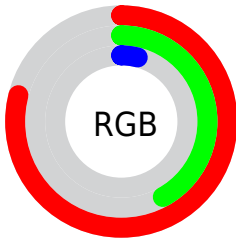
<b>Format</b>	<b>Color</b>
<b>RYB</b>	198, 202, 10
Decimal	13265674
CIELab	55.17, 32.46, 61.09
CIELCh	55, 69.175, 62.019
Yxy	23.0916, 0.5304, 0.4127
Android (android.graphics.Color)	4291455754 (0xFFCA6B0A)
YUV	124.3470, -56.3731, 68.1017
Hunter-Lab	48.0537, 26.1455, 29.7101

# Details

The YIQ color **124.3470, 87.7570, -10.0270** 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 **87.6530, -87.7570, 10.0270**, and the grayscale version is **125.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **177.5580, 85.7850, -7.3270**, and **76.2050, 68.0860, -0.4420** is the 20% darker color. If you saturate the color by 10%, you get **120.2720, 92.3420, -10.5220**, and if you desaturate by 10%, it is **132.4970, 78.5870, -9.0370**.

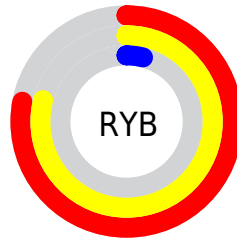
# Distribution



Red (79%)

Green (42%)

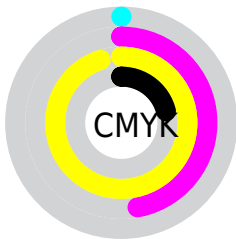
Blue (4%)



Red (78%)

Yellow (79%)

Blue (4%)

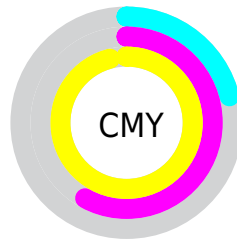


Cyan (0%)

Magenta (47%)

Yellow (95%)

Black (21%)



Cyan (21%)

Magenta (58%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 124.3470, 87.7570, -10.0270 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 124.3470, 87.7570, -10.0270 by changing the saturation by 10% instead.



124.3470, 87.7570,  
-10.0270

124.3470, 87.7570,  
-10.0270

255.0000, -0.0000,  
-0.0000

99.2630, 79.3660,  
-6.6340

177.5580, 85.7850,  
-7.3270

76.2050, 68.0860,  
-0.4420

196.9580, 69.7390,  
-13.8850

53.1470, 56.8060,  
5.7500

216.4720, 53.3720,  
-20.1320

28.6270, 46.9470,  
13.7230

235.9860, 37.0050,  
-26.3790

16.4450, 32.7800,  
11.6600

246.2220, 24.7170,  
-23.9470

7.2900, 13.9830,  
5.3990

249.4140, 15.7290,

0.0000, 0.0000,

-15.2390

0.0000

252.7200, 6.4200,  
-6.2200

124.3470, 87.7570,  
-10.0270

124.3470, 87.7570,  
-10.0270

120.2720, 92.3420,  
-10.5220

132.4970, 78.5870,  
-9.0370

140.7610, 69.0960,  
-7.7360

148.9110, 59.9260,  
-6.7460

157.0610, 50.7560,  
-5.7560

165.2110, 41.5860,  
-4.7660

■ 173.3610, 32.4160,  
-3.7760

■ 181.6250, 22.9250,  
-2.4750

■ 189.7750, 13.7550,  
-1.4850

■ 197.9250, 4.5850,  
-0.4950

# Harmonies

## Analogous

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



123.9490, 93.4350, 30.2590



124.3470, 87.7570, -10.0270



123.2420, 56.3550, -35.6530

# Triad

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



124.3470, 87.7570, -10.0270



108.7230, -87.0600, -41.1720



133.7740, -26.9210, 41.8710

# Complementary

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



124.3470, 87.7570, -10.0270



87.6530, -87.7570, 10.0270

# 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.



109.8480, -119.1630, 6.5090



124.3470, 87.7570, -10.0270



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.



124.3470, 87.7570, -10.0270



99.1930, -65.7370, -58.6730



116.3560, -118.1980, -5.4780



131.8610, 39.2820, 59.0420



# Rectangle

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



124.3470, 87.7570, -10.0270



118.3370, 30.6820, -49.4620



116.3560, -118.1980, -5.4780



127.8240, -56.7210, 31.2710

# Sweetspot

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



124.3470, 87.7570, -10.0270



226.3610, 32.4160, -3.7760



78.3520, 83.6160, 70.5600



110.0700, 20.1740, -2.1780



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.



124.3470, 87.7570, -10.0270



151.9680, 116.5050, -13.4070



180.1120, 61.6320, -59.7120



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.



87.6530, -87.7570, 10.0270



103.0320, -116.5050, 13.4070



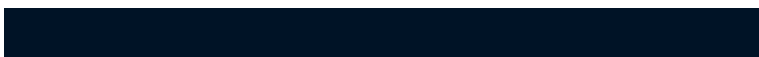
31.8880, -61.6320, 59.7120



96.0750, -4.5850, 0.4950



67.0580, -75.8360, 8.7400



15.4850, -17.4230, 1.8810



# Previews

## White Background



This preview shows how the YIQ color 124.3470, 87.7570, -10.0270 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 124.3470, 87.7570, -10.0270 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 124.3470, 87.7570, -10.0270**

## **Background**



This preview shows how black text looks on a background with the YIQ color 124.3470, 87.7570, -10.0270.



This preview shows how white text looks on a background with the YIQ color 124.3470, 87.7570, -10.0270.

-10.0270.

# 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

124.3470, 87.7570, -10.0270

### Protanopia

124.9020, 45.8090, -31.7510

### Deuteranopia

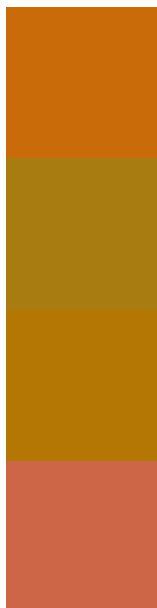
124.1940, 65.4780, -30.2820



## Tritanopia

131.4920, 60.9290, 24.6490

# Trichromacy



## Original Color

124.3470, 87.7570, -10.0270

## Protanomaly

124.8440, 60.8920, -24.2600

## Deuteranomaly

124.1290, 73.2710, -22.8330

## Tritanomaly

128.9640, 70.7430, 11.9830

# Monochromacy



## Original Color

124.3470, 87.7570, -10.0270

## Achromatopsia

124.0000, -0.0000, -0.0000

## Achromatomaly

124.1760, 31.4990, -3.6770

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 124.3470, 87.7570, -10.0270 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(202, 107, 10)` looks like.

```
.text, #text, p{  
    color:rgb(202, 107, 10)  
}
```

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(202, 107, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 107, 10) }
```

## Border

The CSS property to change the border of an element to YIQ 124.3470, 87.7570, -10.0270 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(202, 107, 10) }
```



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

```
.border{ border-color:rgb(202, 107, 10) }
```

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

Here you see how a box with a 4 pixel rgb(202, 107, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 107, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 107, 10);  
box-shadow:4px 4px 4px 4px rgb(202, 107,  
10) }
```

# Background

The CSS property to change the background color of an element to YIQ 124.3470, 87.7570, -10.0270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 107, 10) }
```

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

```
.background{ background-color: rgb(202,  
107, 10) }
```

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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