

# Converting Colors

YIQ(91.1550, 97.8860, 10.1580)

Have a look what the booklet for  
YIQ(91.1550, 97.8860, 10.1580)  
contains.

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# Color

**YIQ(91.1550, 97.8860,  
10.1580)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BF3A00
RGB	191, 58, 0
RGB Percent	75%, 23%, 0%
CMY	0.2507, 0.7727, 0.9996
CMYK	0.00, 0.70, 1.00, 0.25
HSL	18°, 100%, 37%
HSV	18°, 100%, 75%
XYZ	23.0147, 14.1063, 1.5130
YIQ	91.1550, 97.8860, 10.1580

# Conversions

## Conversions Part 2

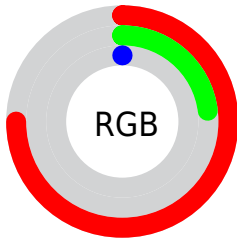
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 83, 0
Decimal	12532224
CIE <sub>Lab</sub>	44.39, 51.36, 56.03
CIE <sub>LCh</sub>	44, 76.010, 47.488
Yxy	14.1063, 0.5957, 0.3651
Android (android.graphics.Color)	4290722304 (0xFFBF3A00)
YUV	91.1550, -44.9394, 87.5641
Hunter-Lab	37.5584, 43.6523, 23.9025

# Details

The YIQ color **91.1550, 97.8860, 10.1580** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **99.8450, -97.8860, -10.1580**, and the grayscale version is **92.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **148.3730, 103.2040, 12.9000**, and **38.2720, 76.2880, 27.1360** is the 20% darker color. If you saturate the color by 10%, you get **91.1550, 97.8860, 10.1580**, and if you desaturate by 10%, it is **100.9520, 88.2120, 9.2680**.

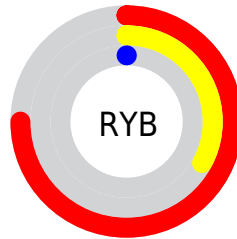
# Distribution



Red (75%)

Green (23%)

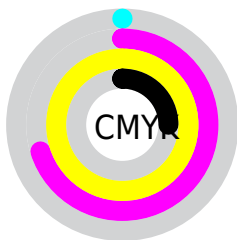
Blue (0%)



Red (75%)

Yellow (33%)

Blue (0%)

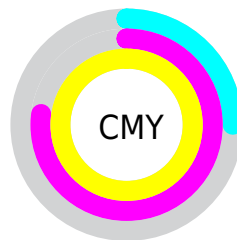


Cyan (0%)

Magenta (70%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (77%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 91.1550, 97.8860, 10.1580 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 91.1550, 97.8860, 10.1580 by changing the saturation by 10% instead.



91.1550, 97.8860,  
10.1580

91.1550, 97.8860,  
10.1580

253.7460, 3.5310,  
-3.4210

63.6890, 87.9350,  
19.7990

148.3730,  
103.2040, 12.9000

38.2720, 76.2880,  
27.1360

167.6590, 87.4790,  
6.0310

29.3020, 58.4080,  
20.7760

187.0590, 71.4330,  
-0.5270

20.7450, 40.8030,  
14.9390

206.4590, 55.3870,  
-7.0850

12.0740, 23.5190,  
8.7910

226.5600, 38.7450,  
-13.8550

0.0000, 0.0000,  
0.0000

246.6610, 22.1030,

-20.6250

■ 250.5540, 12.5190,  
-12.1290

■ 91.1550, 97.8860,  
10.1580

■ 100.9520, 88.2120,  
9.2680

■ 111.3360, 78.2630,  
7.8550

■ 121.1330, 68.5890,  
6.9650

■ 131.0440, 58.5940,  
6.3860

■ 141.4280, 48.6450,  
4.9730

■ 151.2250, 38.9710,  
4.0830

■ 161.0220, 29.2970,  
3.1930

■ 171.4060, 19.3480,  
1.7800

■ 181.2030, 9.6740,  
0.8900

# Harmonies

## Analogous

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



71.2970, 102.6440, 67.1240



91.1550, 97.8860, 10.1580



99.4410, 63.8250, -16.8390

# Triad

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



91.1550, 97.8860, 10.1580



84.2730, -59.5500, -44.1420



84.6920, -100.6880, 18.6080

# Complementary

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



91.1550, 97.8860, 10.1580



99.8450, -97.8860, -10.1580

# 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.



97.2470, -107.1050, 8.2470



91.1550, 97.8860, 10.1580



92.9710, -81.2860, -24.6620

# Square

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



91.1550, 97.8860, 10.1580



72.7880, -34.1000, -64.8520



98.2950, -99.0330, -5.8890



105.1920, 10.4890, 57.7290



# Rectangle

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



91.1550, 97.8860, 10.1580



97.4820, 38.2440, -32.3160



98.2950, -99.0330, -5.8890



90.5450, -104.7680, 15.4560

# Sweetspot

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



91.1550, 97.8860, 10.1580



208.6270, 37.7790, 3.6590



72.3850, 70.8220, 82.1660



101.6730, 22.9700, 2.2180



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.



91.1550, 97.8860, 10.1580



117.8780, 126.5870, 13.1390



146.9200, 71.7610, -39.5270



89.4520, 4.5390, 0.3390



75.4180, 80.9680, 8.3920



14.5520, 16.0010, 1.8650



# Inverse Universe

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



99.8450, -97.8860, -10.1580



129.1220, -126.5870, -13.1390



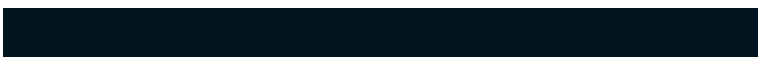
44.0800, -71.7610, 39.5270



89.5480, -4.5390, -0.3390



82.5820, -80.9680, -8.3920



15.8610, -15.7260, -1.3420



# Previews

## White Background



This preview shows how the YIQ color 91.1550, 97.8860, 10.1580 looks on a white 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



# Black Background



This preview shows how the YIQ color 91.1550, 97.8860, 10.1580 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 91.1550, 97.8860, 10.1580

## Background



This preview shows how black text looks on a background with the YIQ color 91.1550, 97.8860, 10.1580.



This preview shows how white text looks on a background with the YIQ color 91.1550, 97.8860,



# 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

91.1550, 97.8860, 10.1580

### Protanopia

100.1970, 35.0330, -23.6790

### Deuteranopia

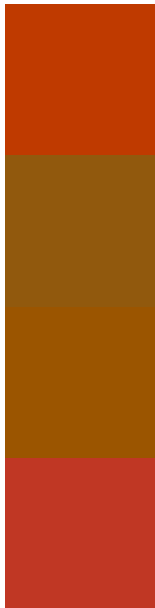
99.3530, 52.0890, -24.4150



## Tritanopia

95.4900, 81.6060, 29.8780

# Trichromacy



## Original Color

91.1550, 97.8860, 10.1580

## Protanomaly

97.0800, 57.7720, -11.7640

## Deuteranomaly

96.2400, 69.0050, -11.5950

## Tritanomaly

93.7970, 87.7510, 23.1350

# Monochromacy



## Original Color

91.1550, 97.8860, 10.1580

## Achromatopsia

91.0000, -0.0000, -0.0000

## Achromatomaly

90.9580, 35.3490, 3.6450

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 91.1550, 97.8860, 10.1580 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, 58, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 58, 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(191, 58, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 58, 0) }
```

## Border

The CSS property to change the border of an element to YIQ 91.1550, 97.8860, 10.1580 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, 58, 0) }
```



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

```
.border{ border-color:rgb(191, 58, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 58, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 58, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 58, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 58, 0)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 91.1550, 97.8860, 10.1580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 58, 0) }
```

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

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