

# Converting Colors

YIQ(103.1480, 81.4280, 0.0520)

Have a look what the booklet for  
YIQ(103.1480, 81.4280, 0.0520)  
contains.

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# Color

**YIQ(103.1480, 81.4280,  
0.0520)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B5510D
RGB	181, 81, 13
RGB Percent	71%, 32%, 5%
CMY	0.2900, 0.6825, 0.9486
CMYK	0.00, 0.55, 0.93, 0.29
HSL	24°, 87%, 38%
HSV	24°, 93%, 71%
XYZ	22.0803, 15.7377, 2.2579
YIQ	103.1480, 81.4280, 0.0520

# Conversions

## Conversions Part 2

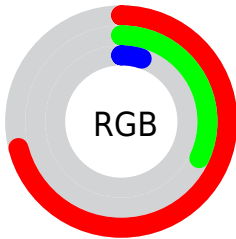
<b>Format</b>	<b>Color</b>
<b>RYB</b>	181, 127, 13
Decimal	11882765
CIELab	46.63, 37.42, 53.03
CIELCh	47, 64.904, 54.795
Yxy	15.7377, 0.5510, 0.3927
Android (android.graphics.Color)	4290072845 (0xFFB5510D)
YUV	103.1480, -44.4430, 68.2762
Hunter-Lab	39.6707, 29.9274, 24.3949

# Details

The YIQ color **103.1480, 81.4280, 0.0520** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **90.8520, -81.4280, -0.0520**, and the grayscale version is **104.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **158.2520, 87.0670, 2.4830**, and **54.3760, 63.5910, 9.4390** is the 20% darker color. If you saturate the color by 10%, you get **96.9700, 87.8010, 0.1930**, and if you desaturate by 10%, it is **111.6570, 72.6250, -0.1030**.

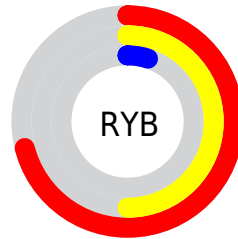
# Distribution



Red (71%)

Green (32%)

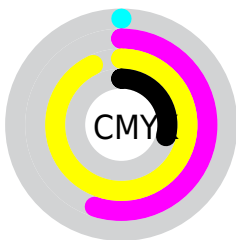
Blue (5%)



Red (71%)

Yellow (50%)

Blue (5%)

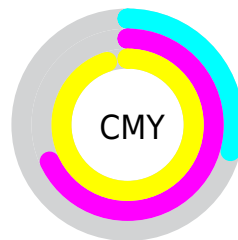


Cyan (0%)

Magenta (55%)

Yellow (93%)

Black (29%)



Cyan (29%)

Magenta (68%)


Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 103.1480, 81.4280, 0.0520 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 103.1480, 81.4280, 0.0520 by changing the saturation by 10% instead.





 103.1480, 81.4280,  
0.0520


 103.1480, 81.4280,  
0.0520


255.0000, -0.0000,  
-0.0000


 78.0210, 74.5960,  
2.7240


 158.2520, 87.0670,  
2.4830

 54.3760, 63.5910,  
9.4390


 180.0660, 78.7230,  
-0.4850


 27.7960, 53.9610,  
18.7690

 199.3520, 62.9980,  
-7.3540

 18.8370, 37.5480,  
13.3560

 218.8660, 46.6310,  
-13.6010

 11.1770, 21.7310,  
8.1550

 238.9670, 29.9890,  
-20.3710

 0.0000, 0.0000,  
0.0000

 248.6160, 17.9760,

-17.4160

251.8080, 8.9880,  
-8.7080

103.1480, 81.4280,  
0.0520

103.1480, 81.4280,  
0.0520

96.9700, 87.8010,  
0.1930

111.6570, 72.6250,  
-0.1030

120.1660, 63.8220,  
-0.2580

128.0880, 55.2940,  
0.1100

136.7110, 46.1700,  
0.2660

145.2200, 37.3670,  
0.1110

■ 153.7290, 28.5640,  
-0.0440

■ 161.6510, 20.0360,  
0.3240

■ 170.1600, 11.2330,  
0.1690

■ 178.6690, 2.4300,  
0.0140

# Harmonies

## Analogous

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



99.6740, 84.2640, 36.7760



103.1480, 81.4280, 0.0520



104.0930, 55.7570, -24.8110

# Triad

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



103.1480, 81.4280, 0.0520



89.9440, -68.6290, -39.2930



107.7560, -44.8460, 30.8180

# Complementary

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



103.1480, 81.4280, 0.0520



90.8520, -81.4280, -0.0520

# 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.



95.5200, -103.6200, 5.6600



103.1480, 81.4280, 0.0520



96.3280, -86.6050, -21.8770

# Square

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



103.1480, 81.4280, 0.0520



81.0980, -49.2320, -54.9280



99.5830, -99.9040, -6.6240



111.7340, 23.2820, 51.6500



# Rectangle

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



103.1480, 81.4280, 0.0520



100.6830, 33.0640, -37.5600



99.5830, -99.9040, -6.6240



88.1340, -99.3570, 11.0030

# Sweetspot

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



103.1480, 81.4280, 0.0520



203.9960, 32.1860, 0.3940



74.7460, 67.7070, 67.0270



98.9390, 19.1650, -0.4110



245.0000, -0.0000, 0.0000



117.0000, -0.0000, 0.0000



# Same Dimension

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



103.1480, 81.4280, 0.0520



126.0300, 113.9350, 0.1350



151.8690, 58.6030, -43.3570



85.0390, 4.2640, -0.1840



82.1410, 74.1380, 0.0100



13.6440, 12.7460, 0.2820



# Inverse Universe

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



90.8520, -81.4280, -0.0520



108.9700, -113.9350, -0.1350



42.1310, -58.6030, 43.3570



84.5480, -4.5390, -0.3390



70.8590, -74.1380, -0.0100



11.7690, -12.4710, 0.2410



# Previews

## White Background



This preview shows how the YIQ color 103.1480, 81.4280, 0.0520 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 103.1480, 81.4280, 0.0520 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 103.1480, 81.4280, 0.0520**

## **Background**



This preview shows how black text looks on a background with the YIQ color 103.1480, 81.4280, 0.0520.



This preview shows how white text looks on a background with the YIQ color 103.1480, 81.4280,



# 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

103.1480, 81.4280, 0.0520

### Protanopia

105.0400, 36.9130, -24.7110

### Deuteranopia

104.0820, 54.2900, -25.7580



## Tritanopia

107.8620, 62.7630, 24.4510

# Trichromacy



## Original Color

103.1480, 81.4280, 0.0520

## Protanomaly

104.2210, 52.8210, -15.6510

## Deuteranomaly

103.8540, 64.1000, -16.3160

## Tritanomaly

106.0010, 69.3210, 15.7290

# Monochromacy



## Original Color

103.1480, 81.4280, 0.0520

## Achromatopsia

103.0000, -0.0000, 0.0000

## Achromatomaly

102.9140, 29.4810, -0.1430

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 103.1480, 81.4280, 0.0520 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(181, 81, 13)` looks like.

```
.text, #text, p{  
    color:rgb(181, 81, 13)  
}
```

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(181, 81, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 81, 13) }
```

## Border

The CSS property to change the border of an element to YIQ 103.1480, 81.4280, 0.0520 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(181, 81, 13) }
```



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

```
.border{ border-color:rgb(181, 81, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 81, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 81, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 81, 13);  
box-shadow:4px 4px 4px 4px rgb(181, 81,  
13) }
```

# Background

The CSS property to change the background color of an element to YIQ 103.1480, 81.4280, 0.0520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 81, 13) }
```

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

```
.background{ background-color: rgb(181, 81,  
13) }
```

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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