

# Converting Colors

YIQ(115.7710, 45.9410, -1.0910)

Have a look what the booklet for  
YIQ(115.7710, 45.9410, -1.0910)  
contains.

<b>YIQ(115.7710, 45.9410, -1.0910)</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(115.7710, 45.9410,  
-1.0910)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F683F
RGB	159, 104, 63
RGB Percent	62%, 41%, 25%
CMY	0.3764, 0.5922, 0.7527
CMYK	0.00, 0.35, 0.60, 0.38
HSL	26°, 43%, 44%
HSV	26°, 60%, 62%
XYZ	20.1501, 17.6291, 7.0514
YIQ	115.7710, 45.9410, -1.0910

# Conversions

## Conversions Part 2

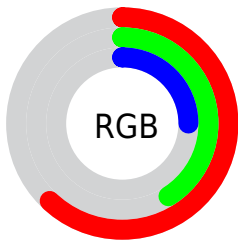
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 135, 63
Decimal	10446911
CIE Lab	49.04, 17.78, 31.83
CIE LCh	49, 36.457, 60.812
Yxy	17.6291, 0.4495, 0.3932
Android (android.graphics.Color)	4288636991 (0xFF9F683F)
YUV	115.7710, -26.0161, 37.9118
Hunter-Lab	41.9870, 12.1871, 19.4337

# Details

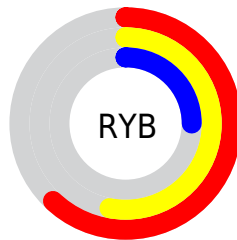
The YIQ color **115.7710, 45.9410, -1.0910** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **106.2290, -45.9410, 1.0910**, and the grayscale version is **116.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **168.6360, 50.7550, -0.2290**, and **66.6070, 40.5310, -2.1650** is the 20% darker color. If you saturate the color by 10%, you get **108.6640, 53.5520, -1.3600**, and if you desaturate by 10%, it is **122.8780, 38.3300, -0.8220**.

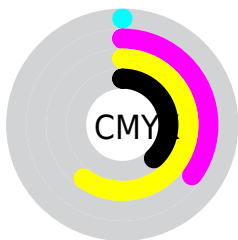
# Distribution



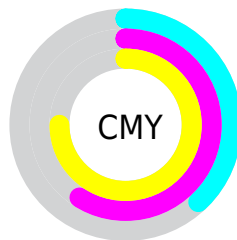
- Red (62%)
- Green (41%)
- Blue (25%)



- Red (62%)
- Yellow (53%)
- Blue (25%)



- Cyan (0%)
- Magenta (35%)
- Yellow (60%)
- Black (38%)



- Cyan (38%)
- Magenta (59%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 115.7710, 45.9410, -1.0910 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 115.7710, 45.9410, -1.0910 by changing the saturation by 10% instead.



■ 115.7710, 45.9410,  
-1.0910

■ 115.7710, 45.9410,  
-1.0910

■ 255.0000, -0.0000,  
-0.0000

■ 90.6890, 43.2360,  
-1.6280

■ 168.6360, 50.7550,  
-0.2290

■ 66.6070, 40.5310,  
-2.1650

■ 196.0060, 52.5890,  
-0.4270

■ 43.2800, 37.1380,  
-1.2460

■ 218.2110, 41.5860,  
-4.7660

■ 23.4670, 26.5460,  
3.4900

■ 237.7250, 25.2190,  
-11.0130

■ 8.1870, 15.7710,  
6.0350

■ 250.8960, 11.5560,  
-11.1960

■ 0.0000, 0.0000,  
0.0000

■ 254.2020, 2.2470,

-2.1770

■ 115.7710, 45.9410,  
-1.0910

■ 115.7710, 45.9410,  
-1.0910

■ 108.6640, 53.5520,  
-1.3600

■ 122.8780, 38.3300,  
-0.8220

■ 101.5570, 61.1630,  
-1.6290

■ 129.9850, 30.7190,  
-0.5530

■ 94.4500, 68.7740,  
-1.8980

■ 137.0920, 23.1080,  
-0.2840

■ 87.4570, 76.0640,  
-1.8560

■ 144.1990, 15.4970,  
-0.0150

■ 151.8930, 7.6110,  
-0.2690

■ 158.8860, 0.3210,  
-0.3110

■ 165.9930, -7.2900,  
-0.0420

■ 173.1000,  
-14.9010, 0.2270

■ 180.2070,  
-22.5120, 0.4960

# Harmonies

## Analogous

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



116.8230, 49.3310, 14.5710



115.7710, 45.9410, -1.0910



113.6130, 31.2260, -15.2540

# Triad

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



115.7710, 45.9410, -1.0910



90.7080, -73.5360, -32.9600



118.6560, -12.7500, 21.8260

# Complementary

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



115.7710, 45.9410, -1.0910



106.2290, -45.9410, 1.0910

# 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.



109.5800, -51.1230, 6.9010



115.7710, 45.9410, -1.0910



94.2420, -83.4870, -23.3190

# Square

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



115.7710, 45.9410, -1.0910



104.8370, -25.4870, -28.1990



94.5160, -89.7700, -14.0740



120.0420, 18.5180, 27.8460



# Rectangle

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



115.7710, 45.9410, -1.0910



111.6110, 16.3720, -21.3880



94.5160, -89.7700, -14.0740



116.6760, -24.6700, 17.5860

# Sweetspot

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



115.7710, 45.9410, -1.0910



189.7540, 18.2480, -0.3120



98.0880, 39.2400, 37.7680



94.1600, 11.2330, 0.1690



232.0000, -0.0000, 0.0000



105.0000, 0.0000, 0.0000



# Same Dimension

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



115.7710, 45.9410, -1.0910



139.5320, 71.4790, -1.3610



143.3600, 33.0160, -25.6720



75.7400, 3.6680, -0.3960



78.5640, 68.4530, -1.5870



8.5940, 7.0150, -0.4810



# Inverse Universe

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



106.2290, -45.9410, 1.0910



124.8810, -71.2040, 1.8840



78.6400, -33.0160, 25.6720



74.8470, -3.9430, -0.1270



64.4360, -68.4530, 1.5870



6.9930, -7.2900, -0.0420



# Previews

## White Background



This preview shows how the YIQ color 115.7710, 45.9410, -1.0910 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 115.7710, 45.9410, -1.0910 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

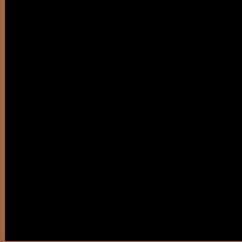
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 115.7710, 45.9410, -1.0910

## Background



This preview shows how black text looks on a background with the YIQ color 115.7710, 45.9410, -1.0910.



This preview shows how white text looks on a background with the YIQ color 115.7710, 45.9410, -1.0910.

-1.0910.

# 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

115.7710, 45.9410, -1.0910

### Protanopia

114.7030, 22.2850, -12.9070

### Deuteranopia

114.8680, 35.1220, -8.7660



## Tritanopia

118.6350, 35.3010, 15.5330

# Trichromacy



## Original Color

115.7710, 45.9410, -1.0910

## Protanomaly

114.8290, 30.8580, -8.5820

## Deuteranomaly

115.0150, 39.2020, -5.6140

## Tritanomaly

117.6860, 39.2910, 9.2990

# Monochromacy



## Original Color

115.7710, 45.9410, -1.0910

## Achromatopsia

116.0000, -0.0000, 0.0000

## Achromatomaly

116.2700, 16.7350, -0.4250

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 115.7710, 45.9410, -1.0910 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(159, 104, 63)` looks like.

```
.text, #text, p{  
    color:rgb(159, 104, 63)  
}
```

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(159, 104, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 104, 63) }
```

## Border

The CSS property to change the border of an element to YIQ 115.7710, 45.9410, -1.0910 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(159, 104, 63) }
```



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

```
.border{ border-color:rgb(159, 104, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 104, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 104, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 104, 63);  
box-shadow:4px 4px 4px 4px rgb(159, 104,  
63) }
```

# Background

The CSS property to change the background color of an element to YIQ 115.7710, 45.9410, -1.0910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 104, 63) }
```

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

```
.background{ background-color: rgb(159,  
104, 63) }
```

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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