

# Converting Colors

YIQ(116.7110, 28.9750, 9.0310)

Have a look what the booklet for  
YIQ(116.7110, 28.9750, 9.0310)  
contains.

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# Color

**YIQ(116.7110, 28.9750,  
9.0310)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	966764
RGB	150, 103, 100
RGB Percent	59%, 40%, 39%
CMY	0.4117, 0.5961, 0.6077
CMYK	0.00, 0.31, 0.33, 0.41
HSL	4°, 20%, 49%
HSV	4°, 33%, 59%
XYZ	19.7328, 17.1039, 14.3255
YIQ	116.7110, 28.9750, 9.0310

# Conversions

## Conversions Part 2

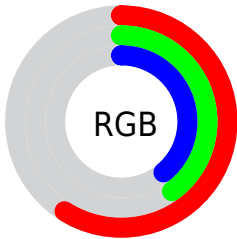
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	150, 103, 100
Decimal	9856868
CIE Lab	48.39, 18.52, 9.30
CIE LCh	48, 20.721, 26.658
Yxy	17.1039, 0.3857, 0.3343
Android (android.graphics.Color)	4288046948 (0xFF966764)
YUV	116.7110, -8.2385, 29.1945
Hunter-Lab	41.3569, 12.7940, 8.4125

# Details

The YIQ color **116.7110, 28.9750, 9.0310** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **133.2890, -28.9750, -9.0310**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **168.9070, 31.3590, 9.8790**, and **67.6290, 26.2700, 8.4940** is the 20% darker color. If you saturate the color by 10%, you get **106.7830, 37.6400, 11.6880**, and if you desaturate by 10%, it is **126.6390, 20.3100, 6.3740**.

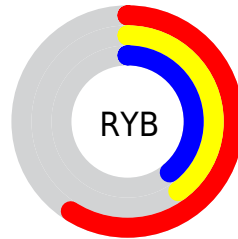
# Distribution



Red (59%)

Green (40%)

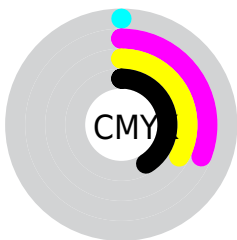
Blue (39%)



Red (59%)

Yellow (40%)

Blue (39%)

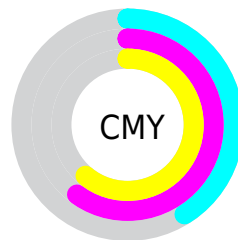


Cyan (0%)

Magenta (31%)

Yellow (33%)

Black (41%)



Cyan (41%)

Magenta (60%)


Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 116.7110, 28.9750, 9.0310 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 116.7110, 28.9750, 9.0310 by changing the saturation by 10% instead.





 116.7110, 28.9750,  
9.0310


 116.7110, 28.9750,  
9.0310


255.0000, -0.0000,  
-0.0000


 91.8140, 27.1870,  
8.3950


 168.9070, 31.3590,  
9.8790


 67.6290, 26.2700,  
8.4940


 196.5050, 32.5510,  
10.3030


 44.8460, 24.1610,  
8.1690

 222.2980, 28.7000,  
8.5080

 22.7210, 23.0150,  
6.9110

 241.9260, 12.0120,  
2.5720

 7.2900, 13.9830,  
5.3990

 0.0000, 0.0000,  
0.0000

■ 116.7110, 28.9750,  
9.0310

■ 116.7110, 28.9750,  
9.0310

■ 106.7830, 37.6400,  
11.6880

■ 126.6390, 20.3100,  
6.3740

■ 96.8550, 46.3050,  
14.3450

■ 136.5670, 11.6450,  
3.7170

■ 86.9270, 54.9700,  
17.0020

■ 146.4950, 2.9800,  
1.0600

■ 76.9990, 63.6350,  
19.6590

■ 156.4230, -5.6850,  
-1.5970

■ 66.4840, 72.5750,  
22.8390

■ 166.9380,  
-14.6250, -4.7770

■ 56.5560, 81.2400,  
25.4960

■ 176.8660,  
-23.2900, -7.4340

■ 50.1330, 86.9250,  
27.0930

■ 186.7940,  
-31.9550, -10.0910

■ 196.7220,

-40.6200, -12.7480

■ 206.6500,  
-49.2850, -15.4050

# Harmonies

## Analogous

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



117.5780, 22.2800, 14.7280



116.7110, 28.9750, 9.0310



115.3700, 28.1970, 1.1010

# Triad

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



116.7110, 28.9750, 9.0310



110.2400, -10.0840, -15.4920



112.5750, -26.3640, 4.2280

# Complementary

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



116.7110, 28.9750, 9.0310



133.2890, -28.9750, -9.0310

# 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.



108.3620, -39.2460, -4.6060



116.7110, 28.9750, 9.0310



107.6710, -27.4150, -15.2790

# Square

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



116.7110, 28.9750, 9.0310



112.5040, 6.7880, -12.8920



105.8470, -39.4740, -11.4900



116.1860, -8.8510, 11.7330



# Rectangle

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



116.7110, 28.9750, 9.0310



114.7560, 23.9340, -4.2420



105.8470, -39.4740, -11.4900



111.3570, -31.6820, 1.4860

# Sweetspot

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



116.7110, 28.9750, 9.0310



181.1540, 11.3700, 3.1940



120.4220, 14.3920, 25.5280



89.1750, 6.8770, 2.0210



224.0000, -0.0000, 0.0000



97.0000, -0.0000, 0.0000



# Same Dimension

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



116.7110, 28.9750, 9.0310



142.2570, 45.1130, 13.9210



131.3860, 22.1000, -4.0440



69.0930, 4.1720, 1.4840



45.9580, 80.0480, 25.0720



3.5770, 5.6850, 1.5970



# Inverse Universe

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



133.2890, -28.9750, -9.0310



167.7430, -45.1130, -13.9210



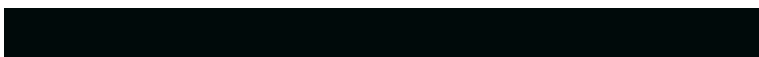
119.2010, -22.3750, 3.5210



71.9070, -4.1720, -1.4840



92.0420, -80.0480, -25.0720



7.0100, -5.9600, -2.1200



# Previews

## White Background



This preview shows how the YIQ color 116.7110, 28.9750, 9.0310 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 116.7110, 28.9750, 9.0310 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 116.7110, 28.9750, 9.0310

## Background



This preview shows how black text looks on a background with the YIQ color 116.7110, 28.9750, 9.0310.



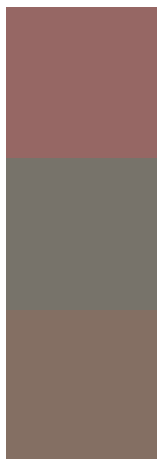
This preview shows how white text looks on a background with the YIQ color 116.7110, 28.9750,



# 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

116.7110, 28.9750, 9.0310

### Protanopia

115.1700, 5.2730, -1.9510

### Deuteranopia

115.9110, 16.3680, 0.7200



## Tritanopia

117.4490, 26.9570, 12.5650

# Trichromacy



## Original Color

116.7110, 28.9750, 9.0310

## Protanomaly

115.8830, 13.5710, 1.8510

## Deuteranomaly

116.2430, 21.3650, 3.7730

## Tritanomaly

117.1070, 27.9200, 11.6320

# Monochromacy



## Original Color

116.7110, 28.9750, 9.0310

## Achromatopsia

117.0000, -0.0000, 0.0000

## Achromatomaly

116.9690, 10.4530, 3.2930

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 116.7110, 28.9750, 9.0310 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(150, 103, 100)` looks like.

```
.text, #text, p{  
    color:rgb(150, 103, 100)  
}
```

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(150, 103, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 103, 100) }
```

## Border

The CSS property to change the border of an element to YIQ 116.7110, 28.9750, 9.0310 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(150, 103, 100) }
```



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

```
.border{ border-color:rgb(150, 103, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 103, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 103, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 103, 100);  
box-shadow:4px 4px 4px 4px rgb(150, 103,  
100) }
```

# Background

The CSS property to change the background color of an element to YIQ 116.7110, 28.9750, 9.0310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 103, 100) }
```

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

```
.background{ background-color: rgb(150,  
103, 100) }
```

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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