

# Converting Colors

YIQ(109.4510, 50.9790, 28.7630)

Have a look what the booklet for  
YIQ(109.4510, 50.9790, 28.7630)  
contains.

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# Color

**YIQ(109.4510, 50.9790,  
28.7630)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B04D66
RGB	176, 77, 102
RGB Percent	69%, 30%, 40%
CMY	0.3096, 0.6982, 0.5998
CMYK	0.00, 0.56, 0.42, 0.31
HSL	345°, 39%, 50%
HSV	345°, 56%, 69%
XYZ	22.9705, 15.4998, 14.3636
YIQ	109.4510, 50.9790, 28.7630

# Conversions

## Conversions Part 2

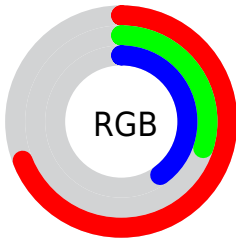
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 77, 102
Decimal	11554150
CIE <sub>Lab</sub>	46.31, 42.86, 5.62
CIE <sub>LCh</sub>	46, 43.229, 7.472
Yxy	15.4998, 0.4348, 0.2934
Android (android.graphics.Color)	4289744230 (0xFFB04D66)
YUV	109.4510, -3.6733, 58.3635
Hunter-Lab	39.3697, 35.2501, 5.9276

# Details

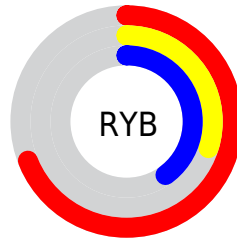
The YIQ color **109.4510, 50.9790, 28.7630** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **143.5490, -50.9790, -28.7630**, and the grayscale version is **109.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **163.4300, 55.4720, 29.9360**, and **55.3520, 46.9440, 30.3040** is the 20% darker color. If you saturate the color by 10%, you get **97.4030, 60.1020, 34.1340**, and if you desaturate by 10%, it is **121.4990, 41.8560, 23.3920**.

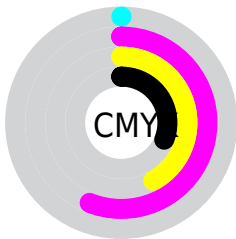
# Distribution



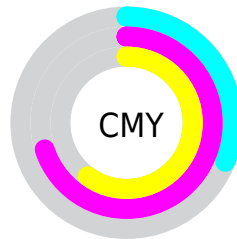
- Red (69%)
- Green (30%)
- Blue (40%)



- Red (69%)
- Yellow (30%)
- Blue (40%)



- Cyan (0%)
- Magenta (56%)
- Yellow (42%)
- Black (31%)




- Cyan (31%)
- Magenta (70%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 109.4510, 50.9790, 28.7630 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 109.4510, 50.9790, 28.7630 by changing the saturation by 10% instead.





 109.4510, 50.9790,  
28.7630


 109.4510, 50.9790,  
28.7630


255.0000, -0.0000,  
-0.0000


 83.0810, 49.1450,  
28.9610


 163.4300, 55.4720,  
29.9360


 55.6510, 47.5400,  
30.5160


 188.9240, 51.0250,  
27.9290


 31.3840, 43.9180,  
30.0780

 207.8510, 34.9330,  
22.2050

 20.8030, 34.8880,  
17.5120

 228.0660, 17.9700,  
15.7460

 12.0740, 23.5190,  
8.7910

 246.7820, 3.8500,  
7.3220

 0.0000, 0.0000,  
0.0000

■ 109.4510, 50.9790,  
28.7630

■ 109.4510, 50.9790,  
28.7630

■ 97.4030, 60.1020,  
34.1340

■ 121.4990, 41.8560,  
23.3920

■ 85.9420, 68.9500,  
38.9820

■ 132.9600, 33.0080,  
18.5440

■ 73.8940, 78.0730,  
44.3530

■ 145.0080, 23.8850,  
13.1730

■ 62.3190, 87.2420,  
48.8900

■ 156.5830, 14.7160,  
8.6360

■ 57.7540, 90.4510,  
51.3070


■ 168.6310, 5.5930,  
3.2650

■ 180.6790, -3.5300,  
-2.1060

■ 192.1400,  
-12.3780, -6.9540

■ 204.1880,

-21.5010, -12.3250

 215.6490,  
-30.3490, -17.1730

# Harmonies

## Analogous

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



112.0050, 29.1080, 34.1640



109.4510, 50.9790, 28.7630



108.4880, 57.5840, 13.6800

# Triad

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



109.4510, 50.9790, 28.7630



100.8430, 0.7390, -29.9250



91.0910, -89.7710, -8.5470

# Complementary

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



109.4510, 50.9790, 28.7630



143.5490, -50.9790, -28.7630

# 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.



91.4040, -83.7630, -18.3150



109.4510, 50.9790, 28.7630



87.9800, -51.1150, -37.3150

# Square

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



109.4510, 50.9790, 28.7630



104.9840, 31.3190, -22.4490



88.5880, -73.0780, -30.2460



102.6490, -55.5710, 10.4210



# Rectangle

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



109.4510, 50.9790, 28.7630



108.0170, 54.0560, 0.5200



88.5880, -73.0780, -30.2460



91.5810, -88.3950, -11.4590

# Sweetspot

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



109.4510, 50.9790, 28.7630



203.1000, 20.6300, 11.5900



110.1130, 11.7290, 46.2650



99.5610, 11.7820, 6.7420



242.0000, -0.0000, 0.0000



115.0000, -0.0000, 0.0000



# Same Dimension

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



109.4510, 50.9790, 28.7630



124.5030, 80.7320, 45.7240



120.1020, 52.6790, 8.9590



83.0330, 4.4010, 2.8410



50.1930, 78.6690, 44.5650



8.4580, 13.5700, 7.3780



# Inverse Universe

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



109.4510, 50.9790, 28.7630



124.5030, 80.7320, 45.7240



132.8980, -52.6790, -8.9590



83.0330, 4.4010, 2.8410



50.1930, 78.6690, 44.5650

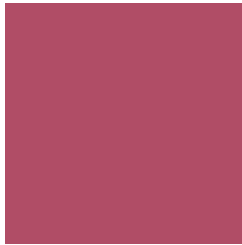


8.4580, 13.5700, 7.3780



# Previews

## White Background



This preview shows how the YIQ color 109.4510, 50.9790, 28.7630 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

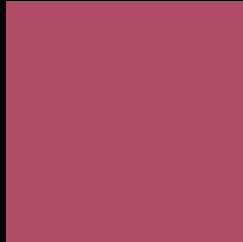
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 109.4510, 50.9790, 28.7630 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

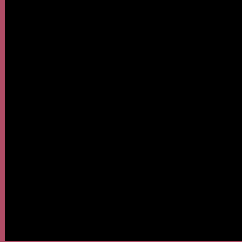
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 109.4510, 50.9790, 28.7630

## Background



This preview shows how black text looks on a background with the YIQ color 109.4510, 50.9790, 28.7630.



This preview shows how white text looks on a background with the YIQ color 109.4510, 50.9790,



# 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

109.4510, 50.9790, 28.7630

### Protanopia

110.8410, -3.8060, 2.8980

### Deuteranopia

110.9540, 14.8090, 1.4410



## Tritanopia

108.9750, 55.0150, 21.6950

# Trichromacy



## Original Color

109.4510, 50.9790, 28.7630

## Protanomaly

110.1750, 16.0450, 12.0850

## Deuteranomaly

110.1070, 27.9200, 11.6320

## Tritanomaly

109.0720, 53.3640, 24.0840

# Monochromacy



## Original Color

109.4510, 50.9790, 28.7630

## Achromatopsia

109.0000, -0.0000, 0.0000

## Achromatomaly

108.7900, 18.5670, 10.4310

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 109.4510, 50.9790, 28.7630 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(176, 77, 102)` looks like.

```
.text, #text, p{  
    color:rgb(176, 77, 102)  
}
```

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(176, 77, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 77, 102) }
```

## Border

The CSS property to change the border of an element to YIQ 109.4510, 50.9790, 28.7630 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(176, 77, 102) }
```



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

```
.border{ border-color:rgb(176, 77, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 77, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 77, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 77, 102);  
box-shadow:4px 4px 4px 4px rgb(176, 77,  
102) }
```

# Background

The CSS property to change the background color of an element to YIQ 109.4510, 50.9790, 28.7630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 77, 102) }
```

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

```
.background{ background-color: rgb(176, 77,  
102) }
```

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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