

# Converting Colors

YIQ(108.8130, 56.4320, 45.5840)

Have a look what the booklet for  
YIQ(108.8130, 56.4320, 45.5840)  
contains.

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# Color

**YIQ(108.8130, 56.4320,  
45.5840)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BF407C
RGB	191, 64, 124
RGB Percent	75%, 25%, 49%
CMY	0.2506, 0.7492, 0.5135
CMYK	0.00, 0.67, 0.35, 0.25
HSL	332°, 50%, 50%
HSV	332°, 67%, 75%
XYZ	26.9790, 16.2048, 20.7897
YIQ	108.8130, 56.4320, 45.5840

# Conversions

## Conversions Part 2

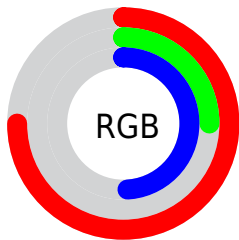
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 64, 124
Decimal	12533884
CIE Lab	47.24, 56.00, -6.13
CIE LCh	47, 56.338, 353.755
Yxy	16.2048, 0.4217, 0.2533
Android (android.graphics.Color)	4290723964 (0xFFBF407C)
YUV	108.8130, 7.4872, 72.0780
Hunter-Lab	40.2551, 49.1842, -2.4416

# Details

The YIQ color **108.8130, 56.4320, 45.5840** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **146.1870, -56.4320, -45.5840**, and the grayscale version is **109.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **165.5530, 60.1000, 45.1880**, and **48.3170, 55.1930, 51.5210** is the 20% darker color. If you saturate the color by 10%, you get **96.5200, 64.8670, 52.4110**, and if you desaturate by 10%, it is **121.1060, 47.9970, 38.7570**.

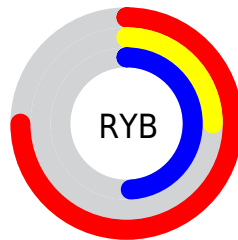
# Distribution



Red (75%)

Green (25%)

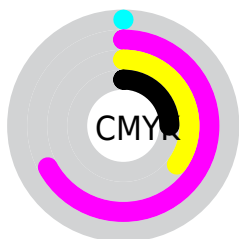
Blue (49%)



Red (75%)

Yellow (25%)

Blue (49%)

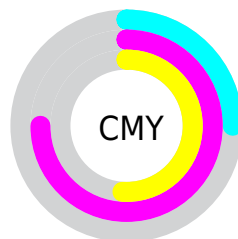


Cyan (0%)

Magenta (67%)

Yellow (35%)

Black (25%)



Cyan (25%)

Magenta (75%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 108.8130, 56.4320, 45.5840 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 108.8130, 56.4320, 45.5840 by changing the saturation by 10% instead.





 108.8130, 56.4320,  
45.5840

 108.8130, 56.4320,  
45.5840


255.0000, -0.0000,  
-0.0000


 79.0950, 55.6980,  
47.8740


 165.6670, 59.7790,  
45.4990


 48.3170, 55.1930,  
51.5210


 185.7900, 46.0710,  
40.6230


 37.4370, 45.5670,  
38.7430


 205.4180, 29.3830,  
34.6870

 26.6710, 35.6200,  
26.2760

 225.0630, 14.0250,  
26.6730

 16.4170, 29.9830,  
12.7910

 242.0860, 6.0500,  
11.5060

 0.8970, 1.7880,  
0.6360

 0.0000, 0.0000,

0.0000

■ 108.8130, 56.4320,  
45.5840

■ 108.8130, 56.4320,  
45.5840

■ 96.5200, 64.8670,  
52.4110

■ 121.1060, 47.9970,  
38.7570

■ 84.2270, 73.3020,  
59.2380

■ 133.3990, 39.5620,  
31.9300

■ 71.9340, 81.7370,  
66.0650

■ 145.6920, 31.1270,  
25.1030

■ 67.3690, 84.9460,  
68.4820

■ 157.9850, 22.6920,  
18.2760

■ 170.2780, 14.2570,  
11.4490

■ 183.2720, 5.2260,  
4.4100

■ 195.5650, -3.2090,  
-2.4170

■ 207.8580,  
-11.6440, -9.2440

■ 220.1510,  
-20.0790, -16.0710

# Harmonies

## Analogous

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



114.3540, 18.2400, 43.9040



108.8130, 56.4320, 45.5840



106.4120, 73.0780, 30.2460

# Triad

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



108.8130, 56.4320, 45.5840



100.6710, 24.1700, -41.5740



97.7420, -96.0980, -9.5220

# Complementary

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



108.8130, 56.4320, 45.5840



146.1870, -56.4320, -45.5840

# 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.



95.6440, -84.6790, -23.7430



108.8130, 56.4320, 45.5840



89.4250, -36.6710, -45.7830

# Square

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



108.8130, 56.4320, 45.5840



104.9790, 56.0780, -25.1220



89.4710, -68.6750, -38.4590



94.6250, -99.7220, 1.0940



# Rectangle

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



108.8130, 56.4320, 45.5840



107.7470, 72.8520, 12.3080



89.4710, -68.6750, -38.4590



97.6620, -93.1170, -13.9890

# Sweetspot

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



108.8130, 56.4320, 45.5840



215.2730, 21.8210, 17.5410



98.2120, -1.4310, 53.4890



105.5660, 13.3860, 10.7140



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.



108.8130, 56.4320, 45.5840



118.9180, 87.8340, 71.2100



103.1470, 75.1420, 25.8780



88.1470, 4.0800, 3.1520



55.7920, 70.0930, 56.8210



10.8650, 13.9820, 10.9260



# Inverse Universe

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



108.8130, 56.4320, 45.5840



118.9180, 87.8340, 71.2100



151.8530, -75.1420, -25.8780



88.1470, 4.0800, 3.1520



55.7920, 70.0930, 56.8210



10.8650, 13.9820, 10.9260



# Previews

## White Background



This preview shows how the YIQ color 108.8130, 56.4320, 45.5840 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 108.8130, 56.4320, 45.5840 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

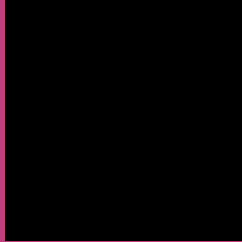
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 108.8130, 56.4320, 45.5840

## Background



This preview shows how black text looks on a background with the YIQ color 108.8130, 56.4320, 45.5840.



This preview shows how white text looks on a background with the YIQ color 108.8130, 56.4320,

45.5840.

# 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

108.8130, 56.4320, 45.5840

### Protanopia

112.7270, -20.6800, 11.3520

### Deuteranopia

113.6140, 4.2630, 5.3430



## Tritanopia

109.2430, 66.0640, 25.2000

# Trichromacy



## Original Color

108.8130, 56.4320, 45.5840

## Protanomaly

111.3610, 7.1940, 23.8180

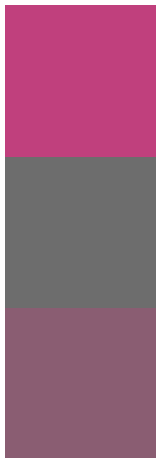
## Deuteranomaly

111.9250, 22.9210, 19.6330

## Tritanomaly

109.0180, 62.6240, 32.4800

# Monochromacy



## Original Color

108.8130, 56.4320, 45.5840

## Achromatopsia

109.0000, -0.0000, 0.0000

## Achromatomaly

109.1480, 20.6750, 16.2830

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 108.8130, 56.4320, 45.5840 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, 64, 124)` looks like.

```
.text, #text, p{  
    color:rgb(191, 64, 124)  
}
```

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, 64, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 64, 124) }
```

## Border

The CSS property to change the border of an element to YIQ 108.8130, 56.4320, 45.5840 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, 64, 124) }
```



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

```
.border{ border-color:rgb(191, 64, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 64, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 64, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 64, 124);  
box-shadow:4px 4px 4px 4px rgb(191, 64,  
124) }
```

# Background

The CSS property to change the background color of an element to YIQ 108.8130, 56.4320, 45.5840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 64, 124) }
```

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

```
.background{ background-color: rgb(191, 64,  
124) }
```

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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