

# Converting Colors

YIQ(119.6520, 45.7990, 23.5190)

Have a look what the booklet for  
YIQ(119.6520, 45.7990, 23.5190)  
contains.

<b>YIQ(119.6520, 45.7990, 23.5190)</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(119.6520, 45.7990,  
23.5190)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B25C6D
RGB	178, 92, 109
RGB Percent	70%, 36%, 43%
CMY	0.3017, 0.6393, 0.5724
CMYK	0.00, 0.48, 0.39, 0.30
HSL	348°, 36%, 53%
HSV	348°, 48%, 70%
XYZ	24.9593, 18.2246, 16.6823
YIQ	119.6520, 45.7990, 23.5190

# Conversions

## Conversions Part 2

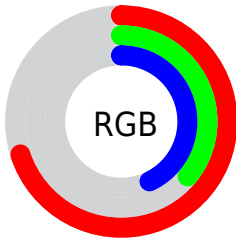
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	178, 92, 109
Decimal	11689069
CIE Lab	49.77, 36.71, 6.37
CIE LCh	50, 37.255, 9.849
Yxy	18.2246, 0.4169, 0.3044
Android (android.graphics.Color)	4289879149 (0xFFB25C6D)
YUV	119.6520, -5.2514, 51.1712
Hunter-Lab	42.6902, 29.6542, 6.7140

# Details

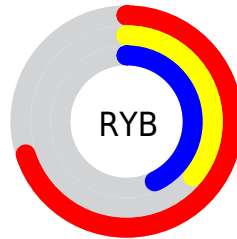
The YIQ color **119.6520, 45.7990, 23.5190** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **150.3480, -45.7990, -23.5190**, and the grayscale version is **120.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **173.3320, 49.6960, 24.4800**, and **68.2000, 41.2600, 23.1800** is the 20% darker color. If you saturate the color by 10%, you get **107.4900, 55.2430, 28.5790**, and if you desaturate by 10%, it is **131.8140, 36.3550, 18.4590**.

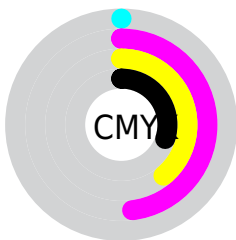
# Distribution



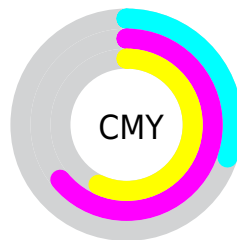
- Red (70%)
- Green (36%)
- Blue (43%)



- Red (70%)
- Yellow (36%)
- Blue (43%)



- Cyan (0%)
- Magenta (48%)
- Yellow (39%)
- Black (30%)



- Cyan (30%)
- Magenta (64%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 119.6520, 45.7990, 23.5190 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 119.6520, 45.7990, 23.5190 by changing the saturation by 10% instead.



■ 119.6520, 45.7990,  
23.5190

■ 119.6520, 45.7990,  
23.5190

■ 255.0000, -0.0000,  
-0.0000

■ 93.8690, 43.6900,  
23.1940

■ 173.3320, 49.6960,  
24.4800

■ 68.2000, 41.2600,  
23.1800

■ 197.9400, 44.9280,  
22.7840

■ 41.7700, 39.6550,  
24.7350

■ 217.5680, 28.2400,  
16.8480

■ 22.9110, 34.7040,  
20.8480

■ 237.7830, 11.2770,  
10.3890

■ 14.2810, 27.3700,  
10.5860

■ 0.0000, 0.0000,  
0.0000

■ 119.6520, 45.7990,  
23.5190

■ 119.6520, 45.7990,  
23.5190

■ 107.4900, 55.2430,  
28.5790

■ 131.8140, 36.3550,  
18.4590

■ 95.2140, 65.0080,  
33.3280

■ 144.0900, 26.5900,  
13.7100

■ 83.6390, 74.1770,  
37.8650

■ 155.6650, 17.4210,  
9.1730

■ 71.4770, 83.6210,  
42.9250

■ 167.8270, 7.9770,  
4.1130

■ 59.3150, 93.0650,  
47.9850

■ 179.9890, -1.4670,  
-0.9470


■ 57.2120, 94.8530,  
48.6210

■ 192.2650,  
-11.2320, -5.6960

■ 204.4270,  
-20.6760, -10.7560

■ 216.0020,

-29.8450, -15.2930

 228.2780,  
-39.6100, -20.0420

# Harmonies

## Analogous

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



121.4730, 27.5500, 29.3580



119.6520, 45.7990, 23.5190



118.2590, 50.7990, 9.9910

# Triad

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



119.6520, 45.7990, 23.5190



110.6950, -1.6000, -26.0800



95.3140, -92.0170, -11.8970

# Complementary

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



119.6520, 45.7990, 23.5190



150.3480, -45.7990, -23.5190

# 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.



96.0830, -87.2930, -20.4210



119.6520, 45.7990, 23.5190



103.2530, -38.4620, -29.8380

# Square

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



119.6520, 45.7990, 23.5190



114.5690, 25.3580, -19.0420



93.8370, -78.2130, -30.7970



115.3150, -39.8910, 12.5970



# Rectangle

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



119.6520, 45.7990, 23.5190



117.3690, 47.1330, -0.6670



93.8370, -78.2130, -30.7970



95.9180, -90.9620, -14.4980

# Sweetspot

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



119.6520, 45.7990, 23.5190



208.2630, 18.6130, 9.5970



122.4350, 13.5180, 41.3740



102.7350, 11.2320, 5.6960



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.



119.6520, 45.7990, 23.5190



140.4430, 71.7930, 37.0170



132.9760, 44.1060, 4.6340



82.9190, 4.7220, 2.5300



49.1670, 81.5580, 41.7660



8.3440, 13.8910, 7.0670



# Inverse Universe

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



119.6520, 45.7990, 23.5190



140.4430, 71.7930, 37.0170



137.0240, -44.1060, -4.6340



82.9190, 4.7220, 2.5300



49.1670, 81.5580, 41.7660

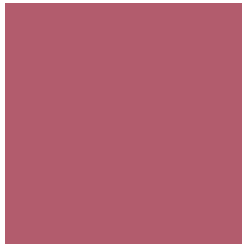


8.3440, 13.8910, 7.0670



# Previews

## White Background



This preview shows how the YIQ color 119.6520, 45.7990, 23.5190 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

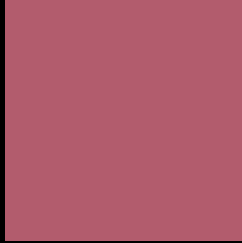
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 119.6520, 45.7990, 23.5190 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 119.6520, 45.7990, 23.5190

## Background



This preview shows how black text looks on a background with the YIQ color 119.6520, 45.7990, 23.5190.



This preview shows how white text looks on a background with the YIQ color 119.6520, 45.7990,



# 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

119.6520, 45.7990, 23.5190

### Protanopia

119.2820, -0.7340, 2.2900

### Deuteranopia

119.8400, 15.1300, 1.1300



## Tritanopia

118.9140, 47.8170, 19.9850

# Trichromacy



## Original Color

119.6520, 45.7990, 23.5190

## Protanomaly

119.7080, 15.8620, 9.8940

## Deuteranomaly

120.0420, 26.5450, 9.0170

## Tritanomaly

119.2560, 46.8540, 20.9180

# Monochromacy



## Original Color

119.6520, 45.7990, 23.5190

## Achromatopsia

120.0000, -0.0000, -0.0000

## Achromatomaly

119.9530, 16.5500, 8.4380

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 119.6520, 45.7990, 23.5190 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(178, 92, 109)` looks like.

```
.text, #text, p{  
    color:rgb(178, 92, 109)  
}
```

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(178, 92, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 92, 109) }
```

## Border

The CSS property to change the border of an element to YIQ 119.6520, 45.7990, 23.5190 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(178, 92, 109) }
```



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

```
.border{ border-color:rgb(178, 92, 109) }
```

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

Here you see how a box with a 4 pixel rgb(178, 92, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 92, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 92, 109);  
box-shadow:4px 4px 4px 4px rgb(178, 92,  
109) }
```

# Background

The CSS property to change the background color of an element to YIQ 119.6520, 45.7990, 23.5190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 92, 109) }
```

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

```
.background{ background-color: rgb(178, 92,  
109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor