

# Converting Colors

YIQ(119.7870, 67.3480, 23.9560)

Have a look what the booklet for  
YIQ(119.7870, 67.3480, 23.9560)  
contains.

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# Color

**YIQ(119.7870, 67.3480,  
23.9560)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C75656
RGB	199, 86, 86
RGB Percent	78%, 34%, 34%
CMY	0.2193, 0.6629, 0.6625
CMYK	0.00, 0.57, 0.57, 0.22
HSL	360°, 50%, 56%
HSV	360°, 57%, 78%
XYZ	28.5778, 19.4725, 11.0708
YIQ	119.7870, 67.3480, 23.9560

# Conversions

## Conversions Part 2

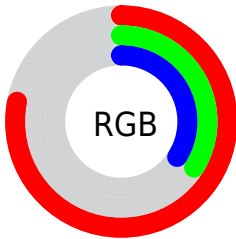
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 86, 86
Decimal	13063766
CIE <sub>Lab</sub>	51.24, 45.16, 22.58
CIE <sub>LCh</sub>	51, 50.486, 26.562
Yxy	19.4725, 0.4834, 0.3294
Android (android.graphics.Color)	4291253846 (0xFFC75656)
YUV	119.7870, -16.6570, 69.4698
Hunter-Lab	44.1276, 38.3765, 16.0145

# Details

The YIQ color **119.7870, 67.3480, 23.9560** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **165.2130, -67.3480, -23.9560**, and the grayscale version is **120.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **173.3420, 70.0990, 23.6590**, and **65.3180, 61.4790, 25.6950** is the 20% darker color. If you saturate the color by 10%, you get **105.7670, 79.2680, 28.1960**, and if you desaturate by 10%, it is **133.8070, 55.4280, 19.7160**.

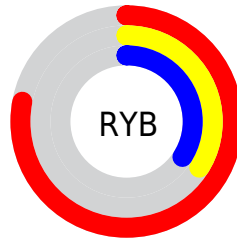
# Distribution



Red (78%)

Green (34%)

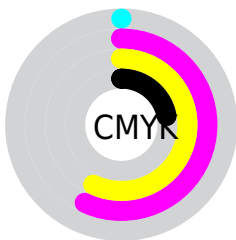
Blue (34%)



Red (78%)

Yellow (34%)

Blue (34%)

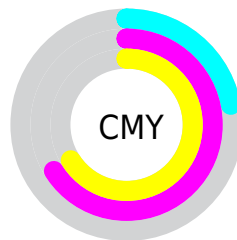


Cyan (0%)

Magenta (57%)

Yellow (57%)

Black (22%)



Cyan (22%)

Magenta (66%)


Yellow (66%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 119.7870, 67.3480, 23.9560 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 119.7870, 67.3480, 23.9560 by changing the saturation by 10% instead.





 119.7870, 67.3480,  
23.9560

 119.7870, 67.3480,  
23.9560


255.0000, -0.0000,  
-0.0000


 92.9330, 64.0010,  
24.0410


 173.3420, 70.0990,  
23.6590


 65.3180, 61.4790,  
25.6950


 192.7420, 54.0530,  
17.1010


 35.5830, 59.4150,  
30.0630


 212.2560, 37.6860,  
10.8540

 24.8170, 49.4680,  
17.5960

 231.8840, 20.9980,  
4.9180

 16.8580, 33.0550,  
12.1830

 252.0990, 4.0350,  
-1.5410

 5.3820, 10.7280,  
3.8160

 0.0000, 0.0000,

0.0000

■ 119.7870, 67.3480,  
23.9560

■ 119.7870, 67.3480,  
23.9560

■ 105.7670, 79.2680,  
28.1960

■ 133.8070, 55.4280,  
19.7160

■ 91.7470, 91.1880,  
32.4360

■ 147.8270, 43.5080,  
15.4760

■ 77.7270, 103.1080,  
36.6760

■ 161.8470, 31.5880,  
11.2360

■ 63.8210, 114.7070,  
41.2270

■ 175.8670, 19.6680,  
6.9960

■ 59.5010, 118.6040,  
42.1880

■ 189.3000, 8.0230,  
3.2790

■ 203.2060, -3.5760,  
-1.2720

■ 217.2260,  
-15.4960, -5.5120

■ 231.2460,  
-27.4160, -9.7520

■ 238.2560,  
-33.3760, -11.8720

# Harmonies

## Analogous

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



121.7430, 53.4530, 38.9970



119.7870, 67.3480, 23.9560



119.1060, 64.0510, 1.0990

# Triad

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



119.7870, 67.3480, 23.9560



103.8540, -33.3250, -40.3410



98.8480, -101.9680, -2.2560

# Complementary

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



119.7870, 67.3480, 23.9560



165.2130, -67.3480, -23.9560

# 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.



103.0080, -99.9030, -12.1510



119.7870, 67.3480, 23.9560



96.5780, -76.2860, -38.1900

# Square

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



119.7870, 67.3480, 23.9560



113.2220, 15.5490, -34.0110



101.4800, -90.0890, -24.8170



123.2170, -27.3310, 27.2690



# Rectangle

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



119.7870, 67.3480, 23.9560



118.1180, 54.6090, -15.0150



101.4800, -90.0890, -24.8170



100.9680, -102.4260, -4.9700

# Sweetspot

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



119.7870, 67.3480, 23.9560



224.8570, 25.6280, 9.1160



132.0710, 29.8830, 58.6750



109.7740, 15.4960, 5.5120



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



119.7870, 67.3480, 23.9560



133.7270, 103.1080, 36.6760



152.0720, 52.2230, -4.8090



92.6910, 5.3640, 1.9080



48.7370, 97.1480, 34.5560



10.7640, 21.4560, 7.6320



# Inverse Universe

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



119.7870, 67.3480, 23.9560



133.7270, 103.1080, 36.6760



132.9280, -52.2230, 4.8090



92.6910, 5.3640, 1.9080



48.7370, 97.1480, 34.5560



10.7640, 21.4560, 7.6320



# Previews

## White Background



This preview shows how the YIQ color 119.7870, 67.3480, 23.9560 looks on a white 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



# Black Background



This preview shows how the YIQ color 119.7870, 67.3480, 23.9560 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

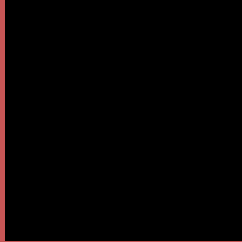
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 119.7870, 67.3480, 23.9560

## Background



This preview shows how black text looks on a background with the YIQ color 119.7870, 67.3480, 23.9560.



This preview shows how white text looks on a background with the YIQ color 119.7870, 67.3480,



# 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

119.7870, 67.3480, 23.9560

### Protanopia

121.8130, 10.5920, -4.7360

### Deuteranopia

121.8660, 29.4360, -4.8360



## Tritanopia

119.7700, 66.0180, 26.0340

# Trichromacy



## Original Color

119.7870, 67.3480, 23.9560

## Protanomaly

120.9730, 30.9930, 5.4970

## Deuteranomaly

121.3180, 43.1430, 5.5670

## Tritanomaly

119.5420, 66.6600, 25.4120

# Monochromacy



## Original Color

119.7870, 67.3480, 23.9560

## Achromatopsia

120.0000, -0.0000, -0.0000

## Achromatomaly

120.2590, 24.4360, 8.6920

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 119.7870, 67.3480, 23.9560 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(199, 86, 86)` looks like.

```
.text, #text, p{  
    color:rgb(199, 86, 86)  
}
```

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(199, 86, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 86, 86) }
```

## Border

The CSS property to change the border of an element to YIQ 119.7870, 67.3480, 23.9560 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(199, 86, 86) }
```



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

```
.border{ border-color:rgb(199, 86, 86) }
```

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

Here you see how a box with a 4 pixel rgb(199, 86, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 86, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 86, 86);  
box-shadow:4px 4px 4px 4px rgb(199, 86,  
86) }
```

# Background

The CSS property to change the background color of an element to YIQ 119.7870, 67.3480, 23.9560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 86, 86) }
```

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

```
.background{ background-color: rgb(199, 86,  
86) }
```

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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