

# Converting Colors

YIQ(87.5390, 8.8480, 4.8480)

Have a look what the booklet for  
YIQ(87.5390, 8.8480, 4.8480)  
contains.

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**Color**

**YIQ(87.5390, 8.8480, 4.8480)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	635256
RGB	99, 82, 86
RGB Percent	39%, 32%, 34%
CMY	0.6117, 0.6784, 0.6627
CMYK	0.00, 0.17, 0.13, 0.61
HSL	346°, 9%, 35%
HSV	346°, 17%, 39%
XYZ	9.8436, 9.3588, 10.0934
YIQ	87.5390, 8.8480, 4.8480

# Conversions

## Conversions Part 2

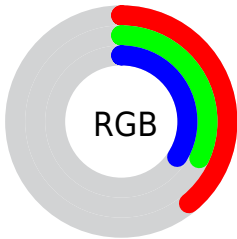
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	99, 82, 86
Decimal	6509142
CIE Lab	36.67, 7.80, 0.29
CIE LCh	37, 7.802, 2.117
Yxy	9.3588, 0.3360, 0.3195
Android (android.graphics.Color)	4284699222 (0xFF635256)
YUV	87.5390, -0.7587, 10.0513
Hunter-Lab	30.5921, 3.8994, 1.8526

# Details

The YIQ color **87.5390, 8.8480, 4.8480** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **93.4610, -8.8480, -4.8480**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **137.2510, 9.7190, 5.5830**, and **41.9410, 7.6560, 4.4240** is the 20% darker color. If you saturate the color by 10%, you get **80.7570, 14.1660, 7.5900**, and if you desaturate by 10%, it is **94.3210, 3.5300, 2.1060**.

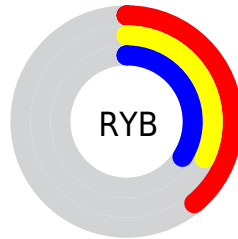
# Distribution



Red (39%)

Green (32%)

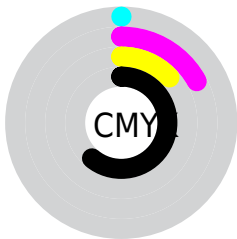
Blue (34%)



Red (39%)

Yellow (32%)

Blue (34%)

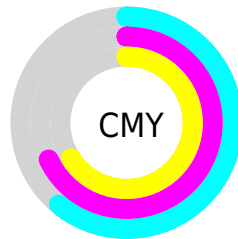


Cyan (0%)

Magenta (17%)

Yellow (13%)

Black (61%)



Cyan (61%)

Magenta (68%)

Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 87.5390, 8.8480, 4.8480 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 87.5390, 8.8480, 4.8480 by changing the saturation by 10% instead.



87.5390, 8.8480,  
4.8480

87.5390, 8.8480,  
4.8480

255.0000, -0.0000,  
-0.0000

64.2400, 8.2520,  
4.6360

137.2510, 9.7190,  
5.5830

41.9410, 7.6560,  
4.4240

163.5500, 10.3150,  
5.7950

21.6420, 7.0600,  
4.2120

190.5500, 10.3150,  
5.7950

0.0000, 0.0000,  
0.0000

218.5500, 10.3150,  
5.7950

245.0550, 7.3350,  
4.7350

■ 87.5390, 8.8480,  
4.8480

■ 87.5390, 8.8480,  
4.8480

■ 80.7570, 14.1660,  
7.5900

■ 94.3210, 3.5300,  
2.1060

■ 74.0890, 19.1630,  
10.6430

■ 100.9890, -1.4670,  
-0.9470

■ 67.3070, 24.4810,  
13.3850

■ 107.7710, -6.7850,  
-3.6890

■ 60.6390, 29.4780,  
16.4380

■ 114.4390,  
-11.7820, -6.7420

■ 53.8570, 34.7960,  
19.1800

■ 121.2210,  
-17.1000, -9.4840

■ 47.7760, 39.5180,  
21.7100

■ 127.3020,  
-21.8220, -12.0140

■ 40.9940, 44.8360,  
24.4520

■ 134.0840,  
-27.1400, -14.7560

■ 34.2120, 50.1540,

■ 140.8660,

27.1940

-32.4580, -17.4980

■ 32.2230, 51.6210,  
28.1410

■ 147.5340,  
-37.4550, -20.5510

# Harmonies

## Analogous

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



87.6140, 4.2630, 5.3430



87.5390, 8.8480, 4.8480



87.1540, 11.3700, 3.1940

# Triad

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



87.5390, 8.8480, 4.8480



85.4360, 1.4680, -4.5800



84.5410, -11.8290, -0.3810

# Complementary

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



87.5390, 8.8480, 4.8480



93.4610, -8.8480, -4.8480

# 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.



84.3620, -12.8830, -3.3070



87.5390, 8.8480, 4.8480



84.3860, -4.2630, -5.3430

# Square

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



87.5390, 8.8480, 4.8480



86.1270, 6.8320, -2.6720



84.1620, -9.4440, -5.0600



86.2750, -8.0240, 2.2480



# Rectangle

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



87.5390, 8.8480, 4.8480



86.8010, 10.8660, 1.3140



84.1620, -9.4440, -5.0600



84.7150, -12.3790, -1.4270

# Sweetspot

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



87.5390, 8.8480, 4.8480



123.3210, 3.5300, 2.1060



87.8250, 2.2910, 8.0430



61.3100, 2.0630, 1.1590



191.0000, -0.0000, -0.0000



64.0000, -0.0000, -0.0000



# Same Dimension

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



87.5390, 8.8480, 4.8480



109.7570, 14.1660, 7.5900



89.4310, 9.0320, 1.5120



45.3100, 2.0630, 1.1590



36.4520, 58.4060, 31.8300



78.2580, 124.7430, 68.6070



# Inverse Universe

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



87.5390, 8.8480, 4.8480



109.7570, 14.1660, 7.5900



91.5690, -9.0320, -1.5120



45.3100, 2.0630, 1.1590



36.4520, 58.4060, 31.8300



78.2580, 124.7430, 68.6070



# Previews

## White Background



This preview shows how the YIQ color 87.5390, 8.8480, 4.8480 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

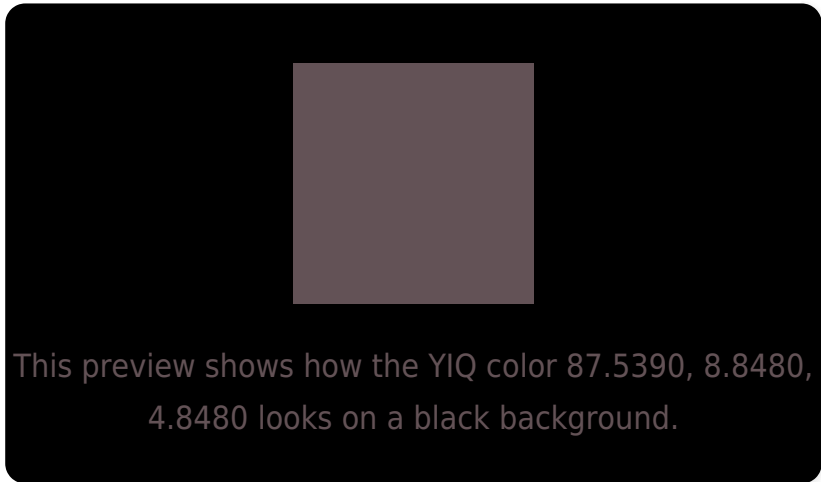
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

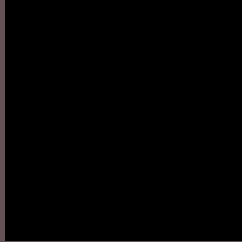
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 87.5390, 8.8480, 4.8480**

## **Background**



This preview shows how black text looks on a background with the YIQ color 87.5390, 8.8480, 4.8480.

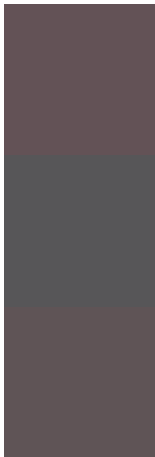


This preview shows how white text looks on a background with the YIQ color 87.5390, 8.8480, 4.8480.

# 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

87.5390, 8.8480, 4.8480

### Protanopia

86.5270, -0.0460, 0.8340

### Deuteranopia

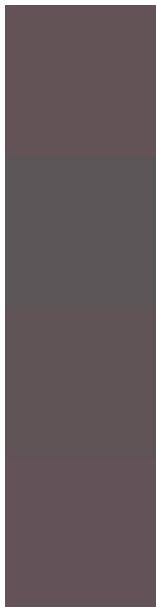
87.5170, 5.9140, 2.9540



## Tritanopia

87.7670, 8.2060, 5.4700

# Trichromacy



## Original Color

87.5390, 8.8480, 4.8480

## Protanomaly

87.0220, 2.9340, 1.8940

## Deuteranomaly

87.2290, 6.7850, 3.6890

## Tritanomaly

87.6530, 8.5270, 5.1590

# Monochromacy



## Original Color

87.5390, 8.8480, 4.8480

## Achromatopsia

88.0000, -0.0000, -0.0000

## Achromatomaly

87.9080, 3.2550, 1.5830

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 87.5390, 8.8480, 4.8480 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(99, 82, 86)` looks like.

```
.text, #text, p{  
    color:rgb(99, 82, 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(99, 82, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 82, 86) }
```

## Border

The CSS property to change the border of an element to YIQ 87.5390, 8.8480, 4.8480 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(99, 82, 86) }
```

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

```
.border{ border-color:rgb(99, 82, 86) }
```

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

Here you see how a box with a 4 pixel rgb(99, 82, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 82, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 82, 86);  
box-shadow:4px 4px 4px 4px rgb(99, 82, 86)  
}
```



# Background

The CSS property to change the background color of an element to YIQ 87.5390, 8.8480, 4.8480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 82, 86) }
```

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

```
.background{ background-color: rgb(99, 82,  
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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