

# Converting Colors

YIQ(66.7680, 15.6330, 8.5370)

Have a look what the booklet for  
YIQ(66.7680, 15.6330, 8.5370)  
contains.

<b>YIQ(66.7680, 15.6330, 8.5370)</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(66.7680, 15.6330,  
8.5370)**

# Conversions

## Conversions Part 1

Format	Color
Hex	573940
RGB	87, 57, 64
RGB Percent	34%, 22%, 25%
CMY	0.6587, 0.7765, 0.7490
CMYK	0.00, 0.35, 0.26, 0.66
HSL	346°, 21%, 28%
HSV	346°, 35%, 34%
XYZ	6.3206, 5.3225, 5.5469
YIQ	66.7680, 15.6330, 8.5370

# Conversions

## Conversions Part 2

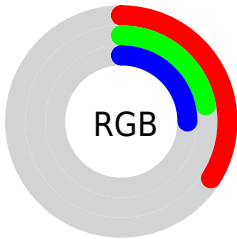
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	87, 57, 64
Decimal	5716288
CIE Lab	27.63, 14.49, 1.09
CIE LCh	28, 14.532, 4.305
Yxy	5.3225, 0.3677, 0.3096
Android (android.graphics.Color)	4283906368 (0xFF573940)
YUV	66.7680, -1.3646, 17.7435
Hunter-Lab	23.0706, 8.5300, 1.8943




# Details

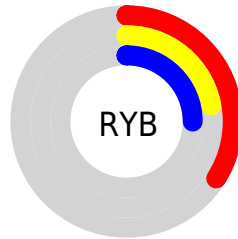
The YIQ color **66.7680, 15.6330, 8.5370** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **77.2320, -15.6330, -8.5370**, and the grayscale version is **67.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **115.0780, 17.6960, 9.6960**, and **23.2730, 12.6530, 7.4770** is the 20% darker color. If you saturate the color by 10%, you get **60.6870, 20.3550, 11.0670**, and if you desaturate by 10%, it is **72.8490, 10.9110, 6.0070**.

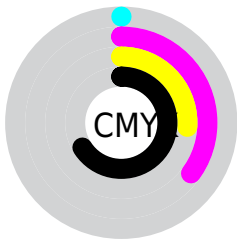
# Distribution







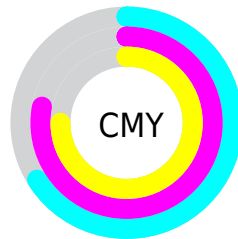
-  Red (34%)
-  Green (22%)
-  Blue (25%)






-  Red (34%)
-  Yellow (22%)
-  Blue (25%)



-  Cyan (0%)
-  Magenta (35%)
-  Yellow (26%)
-  Black (66%)



-  Cyan (66%)
-  Magenta (78%)
-  Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 66.7680, 15.6330, 8.5370 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 66.7680, 15.6330, 8.5370 by changing the saturation by 10% instead.



66.7680, 15.6330,  
8.5370

66.7680, 15.6330,  
8.5370

255.0000, -0.0000,  
-0.0000

44.1700, 14.4410,  
8.1130

115.0780, 17.6960,  
9.6960

23.2730, 12.6530,  
7.4770

140.9640, 18.0170,  
9.3850

3.2890, 6.5560,  
2.3320

167.5620, 19.2090,  
9.8090

0.0000, 0.0000,  
0.0000

194.8610, 19.8050,  
10.0210

222.2740, 20.0800,  
10.5440

244.6960, 6.9680,

5.8800

■ 66.7680, 15.6330,  
8.5370

■ 66.7680, 15.6330,  
8.5370

■ 60.6870, 20.3550,  
11.0670

■ 72.8490, 10.9110,  
6.0070

■ 55.3070, 24.4810,  
13.3850

■ 78.2290, 6.7850,  
3.6890

■ 49.2260, 29.2030,  
15.9150

■ 84.3100, 2.0630,  
1.1590

■ 43.1450, 33.9250,  
18.4450

■ 90.3910, -2.6590,  
-1.3710

■ 37.1780, 38.3260,  
21.2860

■ 95.7710, -6.7850,  
-3.6890

■ 31.6840, 42.7730,  
23.2930

■ 101.8520,  
-11.5070, -6.2190

■ 28.2930, 45.4320,  
24.6640

■ 107.9330,  
-16.2290, -8.7490

■ 113.9000,  
-20.6300, -11.5900

■ 119.3940,  
-25.0770, -13.5970

# Harmonies

## Analogous

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



66.8150, 8.2510, 10.1630



66.7680, 15.6330, 8.5370



66.1010, 18.8890, 4.5930

# Triad

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



66.7680, 15.6330, 8.5370



63.2140, 1.9730, -8.2270



61.5550, -23.6120, -1.5960

# Complementary

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



66.7680, 15.6330, 8.5370



77.2320, -15.6330, -8.5370

# 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.



59.4250, -26.3620, -6.8260



66.7680, 15.6330, 8.5370



62.0000, -9.1680, -10.0640

# Square

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



66.7680, 15.6330, 8.5370



64.5850, 11.2340, -5.3580



59.7800, -20.1720, -8.8760



64.5070, -14.4890, 3.7750



# Rectangle

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



66.7680, 15.6330, 8.5370



65.8080, 18.1560, 1.3560



59.7800, -20.1720, -8.8760



60.7180, -25.6290, -3.5890

# Sweetspot

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



66.7680, 15.6330, 8.5370



104.6310, 5.5930, 3.2650



67.2970, 4.0780, 14.2060



51.3210, 3.5300, 2.1060



184.0000, 0.0000, -0.0000



56.0000, -0.0000, 0.0000



# Same Dimension

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



66.7680, 15.6330, 8.5370



81.0080, 23.8850, 13.1730



70.0790, 15.9550, 2.6990



40.3100, 2.0630, 1.1590



34.8430, 55.7470, 30.4590



76.5350, 122.4050, 66.9250



# Inverse Universe

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



66.7680, 15.6330, 8.5370



81.0080, 23.8850, 13.1730



73.9210, -15.9550, -2.6990



40.3100, 2.0630, 1.1590



34.8430, 55.7470, 30.4590

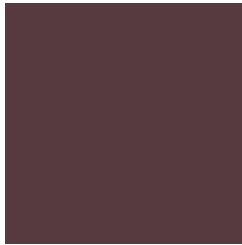


76.5350, 122.4050, 66.9250



# Previews

## White Background



This preview shows how the YIQ color 66.7680, 15.6330, 8.5370 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

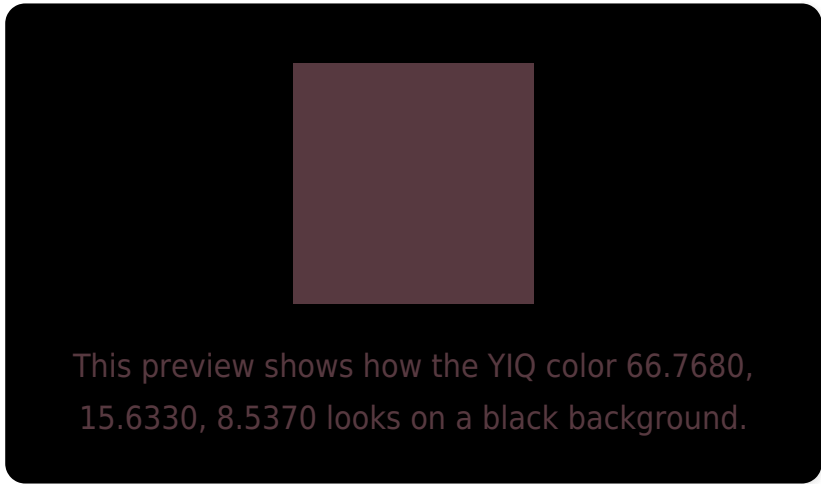
Any Text WCAG AA ✓ Pass

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

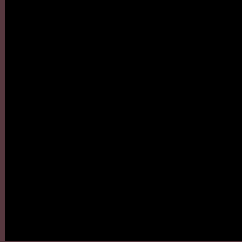
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 66.7680, 15.6330, 8.5370**

## **Background**



This preview shows how black text looks on a background with the YIQ color 66.7680, 15.6330, 8.5370.



This preview shows how white text looks on a background with the YIQ color 66.7680, 15.6330,



# 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

66.7680, 15.6330, 8.5370

### Protanopia

65.7550, -0.6880, 1.4560

### Deuteranopia

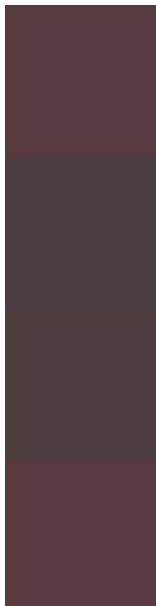
65.9900, 5.9600, 2.1200



## Tritanopia

66.5400, 16.2750, 7.9150

# Trichromacy



## Original Color

66.7680, 15.6330, 8.5370

## Protanomaly

66.1580, 5.5470, 4.0990

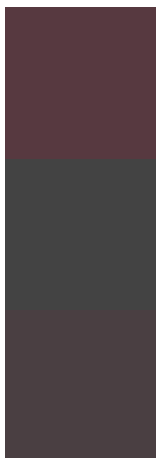
## Deuteranomaly

66.3110, 9.4900, 4.2260

## Tritanomaly

66.6540, 15.9540, 8.2260

# Monochromacy



## Original Color

66.7680, 15.6330, 8.5370

## Achromatopsia

67.0000, -0.0000, -0.0000

## Achromatomaly

66.6310, 5.5930, 3.2650

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 66.7680, 15.6330, 8.5370 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(87, 57, 64)` looks like.

```
.text, #text, p{  
    color:rgb(87, 57, 64)  
}
```

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(87, 57, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 57, 64) }
```

## Border

The CSS property to change the border of an element to YIQ 66.7680, 15.6330, 8.5370 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(87, 57, 64) }
```



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

```
.border{ border-color:rgb(87, 57, 64) }
```

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

Here you see how a box with a 4 pixel rgb(87, 57, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 57, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 57, 64);  
box-shadow:4px 4px 4px 4px rgb(87, 57, 64)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 66.7680, 15.6330, 8.5370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 57, 64) }
```

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

```
.background{ background-color: rgb(87, 57,  
64) }
```

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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