

# Converting Colors

YIQ(74.9680, 38.5570, 11.5890)

Have a look what the booklet for  
YIQ(74.9680, 38.5570, 11.5890)  
contains.

<b>YIQ(74.9680, 38.5570, 11.5890)</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(74.9680, 38.5570,  
11.5890)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	773934
RGB	119, 57, 52
RGB Percent	47%, 22%, 20%
CMY	0.5332, 0.7766, 0.7959
CMYK	0.00, 0.52, 0.56, 0.53
HSL	4°, 39%, 34%
HSV	4°, 56%, 47%
XYZ	9.6954, 7.0965, 4.1123
YIQ	74.9680, 38.5570, 11.5890

# Conversions

## Conversions Part 2

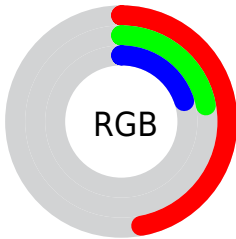
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	119, 57, 52
Decimal	7813428
CIE Lab	32.03, 26.61, 15.70
CIE LCh	32, 30.900, 30.537
Yxy	7.0965, 0.4638, 0.3395
Android (android.graphics.Color)	4286003508 (0xFF773934)
YUV	74.9680, -11.3232, 38.6161
Hunter-Lab	26.6393, 18.3464, 9.4949

# Details

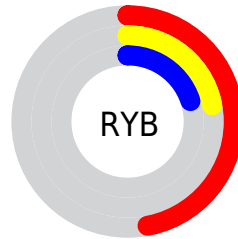
The YIQ color **74.9680, 38.5570, 11.5890** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **96.0320, -38.5570, -11.5890**, and the grayscale version is **75.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **125.4200, 43.0960, 11.9280**, and **26.7010, 34.9350, 11.1510** is the 20% darker color. If you saturate the color by 10%, you get **67.1430, 45.4340, 13.6100**, and if you desaturate by 10%, it is **82.7930, 31.6800, 9.5680**.

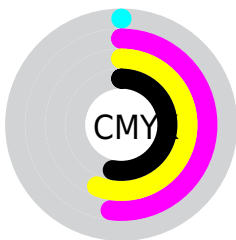
# Distribution



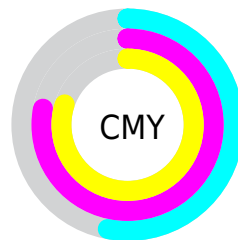
- Red (47%)
- Green (22%)
- Blue (20%)



- Red (47%)
- Yellow (22%)
- Blue (20%)



- Cyan (0%)
- Magenta (52%)
- Yellow (56%)
- Black (53%)



- Cyan (53%)
- Magenta (78%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 74.9680, 38.5570, 11.5890 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 74.9680, 38.5570, 11.5890 by changing the saturation by 10% instead.



■ 74.9680, 38.5570,  
11.5890

■ 74.9680, 38.5570,  
11.5890

255.0000, -0.0000,  
-0.0000

■ 51.0000, 35.5310,  
11.3630

■ 125.5340, 42.7750,  
12.2390

■ 26.7010, 34.9350,  
11.1510

■ 151.6160, 45.4800,  
12.7760

■ 12.8570, 25.6280,  
9.1160

■ 179.1000, 46.9930,  
12.8890

■ 0.0000, 0.0000,  
0.0000

■ 204.9040, 44.6090,  
12.0410

■ 224.4180, 28.2420,  
5.7940

■ 244.0460, 11.5540,

-0.1420

■ 74.9680, 38.5570,  
11.5890

■ 74.9680, 38.5570,  
11.5890

■ 67.1430, 45.4340,  
13.6100

■ 82.7930, 31.6800,  
9.5680

■ 59.3180, 52.3110,  
15.6310

■ 90.6180, 24.8030,  
7.5470

■ 51.4930, 59.1880,  
17.6520

■ 98.4430, 17.9260,  
5.5260

■ 43.6680, 66.0650,  
19.6730

■ 106.2680, 11.0490,  
3.5050

■ 40.8640, 68.4490,  
20.5210

■ 114.0930, 4.1720,  
1.4840

■ 121.8040, -2.3840,  
-0.8480

■ 129.6290, -9.2610,  
-2.8690

■ 137.4540,  
-16.1380, -4.8900

■ 145.2790,  
-23.0150, -6.9110

# Harmonies

## Analogous

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



75.9430, 31.6780, 20.6220



74.9680, 38.5570, 11.5890



74.2090, 35.9000, -0.8360

# Triad

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



74.9680, 38.5570, 11.5890



64.8640, -20.9490, -22.3330



67.9950, -45.1620, 3.4940

# Complementary

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



74.9680, 38.5570, 11.5890



96.0320, -38.5570, -11.5890

# 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.



62.6460, -60.6570, -7.5450



74.9680, 38.5570, 11.5890



59.6190, -48.0000, -22.1760

# Square

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



74.9680, 38.5570, 11.5890



70.2170, 5.9180, -19.1540



62.3550, -55.7040, -14.7120



76.8640, -10.6400, 16.6240



# Rectangle

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



74.9680, 38.5570, 11.5890



73.3450, 29.3450, -8.6950



62.3550, -55.7040, -14.7120



60.9820, -61.4830, -3.5870

# Sweetspot

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



74.9680, 38.5570, 11.5890



138.2470, 15.5420, 4.6780



79.2150, 19.7090, 33.7970



68.3710, 9.2610, 2.8690



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000



# Same Dimension

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



74.9680, 38.5570, 11.5890



86.3900, 60.9760, 18.2880



94.3390, 29.4820, -5.6700



54.7940, 3.5760, 1.2720



41.7610, 70.2370, 21.1570



85.3160, 144.0500, 43.5860



# Inverse Universe

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



96.0320, -38.5570, -11.5890



119.6100, -60.9760, -18.2880



76.6610, -29.4820, 5.6700



56.6190, -3.3010, -0.7490



80.2390, -70.2370, -21.1570



164.0970, -143.7750, -43.0630



# Previews

## White Background



This preview shows how the YIQ color 74.9680, 38.5570, 11.5890 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

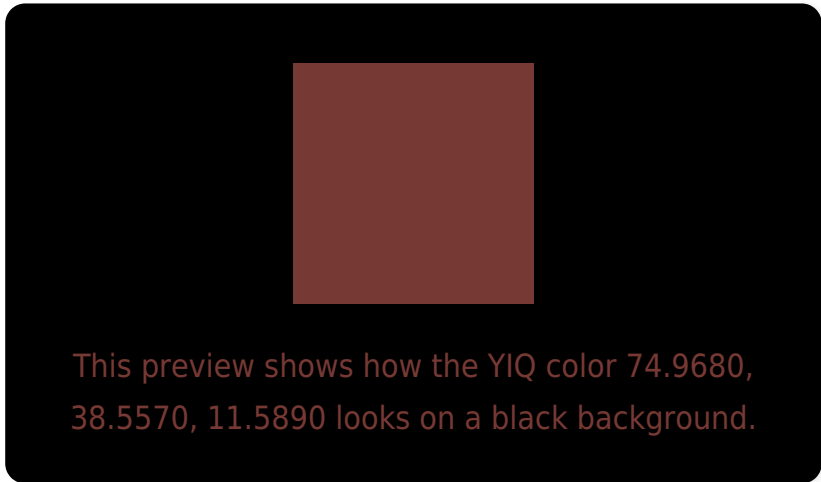
Any Text WCAG AA ✓ Pass

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

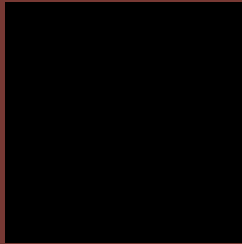
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 74.9680, 38.5570, 11.5890**

## **Background**



This preview shows how black text looks on a background with the YIQ color 74.9680, 38.5570, 11.5890.



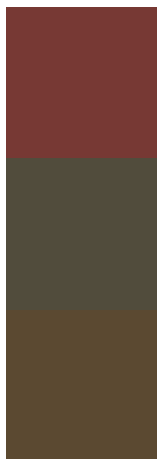
This preview shows how white text looks on a background with the YIQ color 74.9680, 38.5570,



# 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

74.9680, 38.5570, 11.5890

### Protanopia

75.6710, 8.1160, -3.9160

### Deuteranopia

75.6460, 18.4320, -3.6480



## Tritanopia

75.5920, 36.8600, 14.8120

# Trichromacy



## Original Color

74.9680, 38.5570, 11.5890

## Protanomaly

75.4060, 19.3480, 1.7800

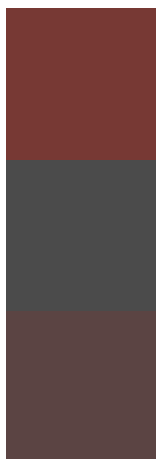
## Deuteranomaly

75.2280, 25.7210, 1.9210

## Tritanomaly

75.2500, 37.8230, 13.8790

# Monochromacy



## Original Color

74.9680, 38.5570, 11.5890

## Achromatopsia

75.0000, -0.0000, -0.0000

## Achromatomaly

74.7630, 14.0290, 4.5650

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 74.9680, 38.5570, 11.5890 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(119, 57, 52)` looks like.

```
.text, #text, p{  
    color:rgb(119, 57, 52)  
}
```

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(119, 57, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 57, 52) }
```

## Border

The CSS property to change the border of an element to YIQ 74.9680, 38.5570, 11.5890 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(119, 57, 52) }
```



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

```
.border{ border-color:rgb(119, 57, 52) }
```

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

Here you see how a box with a 4 pixel rgb(119, 57, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 57, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 57, 52);  
box-shadow:4px 4px 4px 4px rgb(119, 57,  
52) }
```

# Background

The CSS property to change the background color of an element to YIQ 74.9680, 38.5570, 11.5890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 57, 52) }
```

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

```
.background{ background-color: rgb(119, 57,  
52) }
```

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