

# Converting Colors

YIQ(76.8550, 19.9420, 13.0460)

Have a look what the booklet for  
YIQ(76.8550, 19.9420, 13.0460)  
contains.

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# Color

**YIQ(76.8550, 19.9420,  
13.0460)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	683F4D
RGB	104, 63, 77
RGB Percent	41%, 25%, 30%
CMY	0.5920, 0.7530, 0.6980
CMYK	0.00, 0.39, 0.26, 0.59
HSL	339°, 25%, 33%
HSV	339°, 39%, 41%
XYZ	8.8288, 7.0339, 7.9167
YIQ	76.8550, 19.9420, 13.0460

# Conversions

## Conversions Part 2

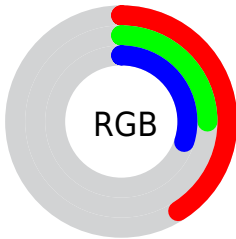
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	104, 63, 77
Decimal	6831949
CIE Lab	31.88, 20.05, -0.92
CIE LCh	32, 20.067, 357.381
Yxy	7.0339, 0.3713, 0.2958
Android (android.graphics.Color)	4285022029 (0xFF683F4D)
YUV	76.8550, 0.0715, 23.8062
Hunter-Lab	26.5214, 13.0089, 0.8667

# Details

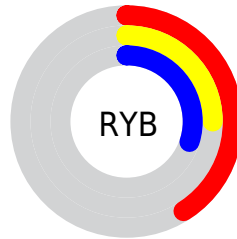
The YIQ color **76.8550, 19.9420, 13.0460** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **90.1450, -19.9420, -13.0460**, and the grayscale version is **77.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **126.1650, 22.0050, 14.2050**, and **31.3600, 16.9620, 11.9860** is the 20% darker color. If you saturate the color by 10%, you get **70.1870, 24.9390, 16.0990**, and if you desaturate by 10%, it is **83.5230, 14.9450, 9.9930**.

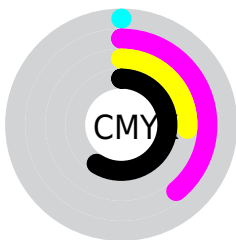
# Distribution



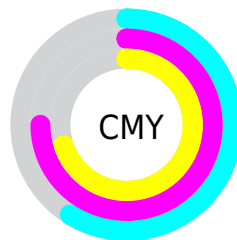
- Red (41%)
- Green (25%)
- Blue (30%)



- Red (41%)
- Yellow (25%)
- Blue (30%)



- Cyan (0%)
- Magenta (39%)
- Yellow (26%)
- Black (59%)



- Cyan (59%)
- Magenta (75%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 76.8550, 19.9420, 13.0460 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 76.8550, 19.9420, 13.0460 by changing the saturation by 10% instead.



■ 76.8550, 19.9420,  
13.0460

■ 76.8550, 19.9420,  
13.0460

■ 255.0000, -0.0000,  
-0.0000

■ 53.2570, 18.7500,  
12.6220

■ 126.1650, 22.0050,  
14.2050

■ 31.3600, 16.9620,  
11.9860

■ 152.7630, 23.1970,  
14.6290

■ 11.9040, 18.2460,  
10.7420

■ 179.0620, 23.7930,  
14.8410

■ 0.0000, 0.0000,  
0.0000

■ 207.3610, 24.3890,  
15.0530

■ 231.4740, 16.6410,  
12.2970

■ 250.3040, 2.2000,

4.1840

■ 76.8550, 19.9420,  
13.0460

■ 76.8550, 19.9420,  
13.0460

■ 70.1870, 24.9390,  
16.0990

■ 83.5230, 14.9450,  
9.9930

■ 62.9320, 30.2110,  
19.6750

■ 90.7780, 9.6730,  
6.4170

■ 56.2640, 35.2080,  
22.7280

■ 97.4460, 4.6760,  
3.3640

■ 49.1230, 40.1590,  
26.6150

■ 104.5870, -0.2750,  
-0.5230

■ 42.4550, 45.1560,  
29.6680

■ 111.2550, -5.2720,  
-3.5760

■ 35.7870, 50.1530,  
32.7210

■ 117.9230,  
-10.2690, -6.6290

■ 35.2000, 50.4280,  
33.2440

■ 125.1780,  
-15.5410, -10.2050

■ 131.8460,  
-20.5380, -13.2580

■ 139.1010,  
-25.8100, -16.8340

# Harmonies

## Analogous

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



77.3360, 8.3420, 14.0220



76.8550, 19.9420, 13.0460



76.2160, 25.9950, 7.9710

# Triad

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



76.8550, 19.9420, 13.0460



72.3730, 5.7790, -11.1250



66.5360, -39.7960, -5.6520

# Complementary

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



76.8550, 19.9420, 13.0460



90.1450, -19.9420, -13.0460

# 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.



63.3520, -42.4540, -12.5500



76.8550, 19.9420, 13.0460



70.2940, -10.1760, -13.8240

# Square

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



76.8550, 19.9420, 13.0460



74.3530, 17.6990, -6.8850



66.6110, -27.1860, -13.9220



72.2330, -25.4010, 3.2950



# Rectangle

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



76.8550, 19.9420, 13.0460



75.2820, 25.6290, 3.5890



66.6110, -27.1860, -13.9220



64.6880, -43.2800, -8.5920

# Sweetspot

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



76.8550, 19.9420, 13.0460



124.3540, 7.9310, 4.9470



75.7470, 2.9310, 18.4750



62.4460, 4.6760, 3.3640



196.0000, -0.0000, -0.0000



69.0000, -0.0000, -0.0000



# Same Dimension

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



76.8550, 19.9420, 13.0460



93.2310, 30.8070, 19.8870



78.7810, 22.7860, 5.5540



47.7230, 2.3380, 1.6820



38.8310, 56.0210, 36.5090



81.8200, 117.5890, 77.1170



# Inverse Universe

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



76.8550, 19.9420, 13.0460



93.2310, 30.8070, 19.8870



88.2190, -22.7860, -5.5540



47.7230, 2.3380, 1.6820



38.8310, 56.0210, 36.5090

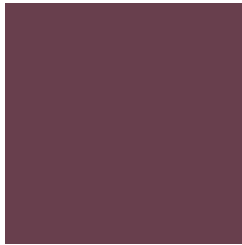


81.8200, 117.5890, 77.1170



# Previews

## White Background



This preview shows how the YIQ color 76.8550, 19.9420, 13.0460 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

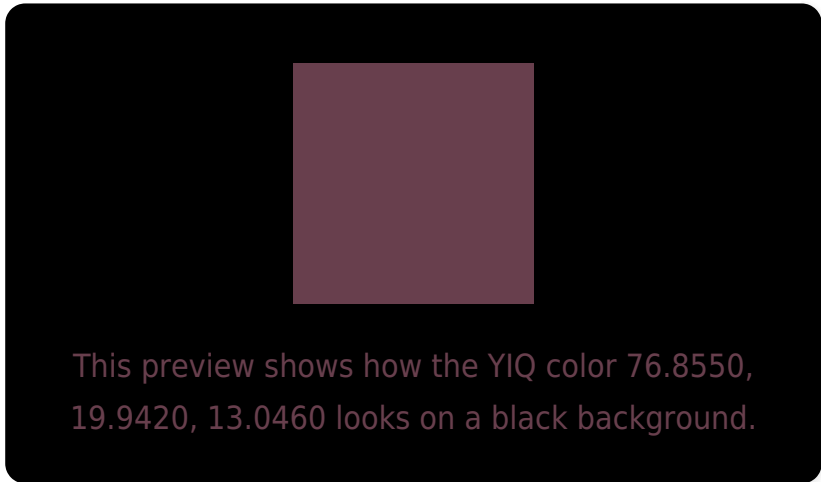
Any Text WCAG AA ✓ Pass

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

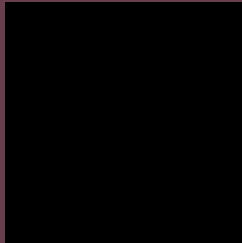
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 76.8550, 19.9420, 13.0460**

## **Background**



This preview shows how black text looks on a background with the YIQ color 76.8550, 19.9420, 13.0460.



This preview shows how white text looks on a background with the YIQ color 76.8550, 19.9420,



# 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

76.8550, 19.9420, 13.0460

### Protanopia

75.7270, -3.4850, 2.5870

### Deuteranopia

76.2180, 5.3180, 2.7420



## Tritanopia

76.2310, 21.6390, 9.8230

# Trichromacy



## Original Color

76.8550, 19.9420, 13.0460

## Protanomaly

76.3260, 5.1340, 6.0780

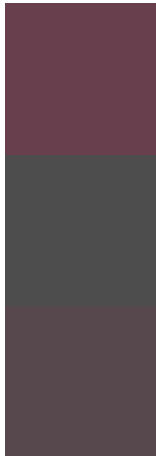
## Deuteranomaly

76.3760, 10.8650, 6.8410

## Tritanomaly

76.5730, 20.6760, 10.7560

# Monochromacy



## Original Color

76.8550, 19.9420, 13.0460

## Achromatopsia

77.0000, -0.0000, -0.0000

## Achromatomaly

77.0550, 7.3350, 4.7350

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 76.8550, 19.9420, 13.0460 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(104, 63, 77)` looks like.

```
.text, #text, p{  
    color:rgb(104, 63, 77)  
}
```

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(104, 63, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 63, 77) }
```

## Border

The CSS property to change the border of an element to YIQ 76.8550, 19.9420, 13.0460 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(104, 63, 77) }
```



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

```
.border{ border-color:rgb(104, 63, 77) }
```

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

Here you see how a box with a 4 pixel rgb(104, 63, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 63, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 63, 77);  
box-shadow:4px 4px 4px 4px rgb(104, 63,  
77) }
```

# Background

The CSS property to change the background color of an element to YIQ 76.8550, 19.9420, 13.0460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 63, 77) }
```

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

```
.background{ background-color: rgb(104, 63,  
77) }
```

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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