

# Converting Colors

YIQ(55.9680, 30.5300, 30.4180)

Have a look what the booklet for  
YIQ(55.9680, 30.5300, 30.4180)  
contains.

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# Color

**YIQ(55.9680, 30.5300,  
30.4180)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	681C4A
RGB	104, 28, 74
RGB Percent	41%, 11%, 29%
CMY	0.5919, 0.8903, 0.7097
CMYK	0.00, 0.73, 0.29, 0.59
HSL	324°, 58%, 26%
HSV	324°, 73%, 41%
XYZ	7.3664, 4.2700, 6.9184
YIQ	55.9680, 30.5300, 30.4180

# Conversions

## Conversions Part 2

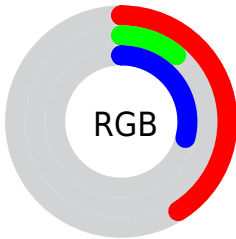
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 28, 74
Decimal	6822986
CIELab	24.54, 38.42, -9.90
CIElCh	25, 39.673, 345.545
Yxy	4.2700, 0.3970, 0.2301
Android (android.graphics.Color)	4285013066 (0xFF681C4A)
YUV	55.9680, 8.8898, 42.1241
Hunter-Lab	20.6639, 27.4710, -5.3858

# Details

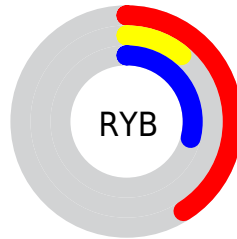
The YIQ color **55.9680, 30.5300, 30.4180** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **76.0320, -30.5300, -30.4180**, and the grayscale version is **56.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **107.6370, 32.9600, 30.4320**, and **19.5660, 22.5540, 20.7780** is the 20% darker color. If you saturate the color by 10%, you get **49.6420, 34.5640, 34.4040**, and if you desaturate by 10%, it is **62.2940, 26.4960, 26.4320**.

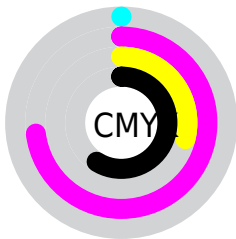
# Distribution



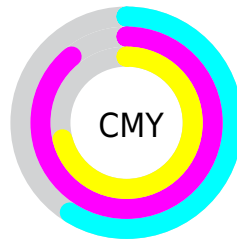
- Red (41%)
- Green (11%)
- Blue (29%)



- Red (41%)
- Yellow (11%)
- Blue (29%)



- Cyan (0%)
- Magenta (73%)
- Yellow (29%)
- Black (59%)



- Cyan (59%)
- Magenta (89%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 55.9680, 30.5300, 30.4180 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 55.9680, 30.5300, 30.4180 by changing the saturation by 10% instead.



■ 55.9680, 30.5300,  
30.4180

■ 55.9680, 30.5300,  
30.4180

■ 255.0000, -0.0000,  
-0.0000

■ 29.1360, 30.1170,  
32.3970

■ 107.6370, 32.9600,  
30.4320

■ 19.5660, 22.5540,  
20.7780

■ 133.6480, 34.4270,  
31.3790

■ 8.6000, 16.0460,  
6.5580

■ 160.2460, 35.6190,  
31.8030

■ 0.0000, 0.0000,  
0.0000

■ 187.9580, 36.4900,  
32.5380

■ 211.1740, 26.9540,  
29.1460

■ 230.3460, 11.5500,

21.9660

246.7820, 3.8500,  
7.3220

55.9680, 30.5300,  
30.4180

55.9680, 30.5300,  
30.4180

49.6420, 34.5640,  
34.4040

62.2940, 26.4960,  
26.4320

42.7290, 38.8730,  
38.9130

69.2070, 22.1870,  
21.9230

38.2780, 41.7610,  
41.6410

75.5330, 18.1530,  
17.9370

82.4460, 13.8440,  
13.4280

88.8860, 9.4890,  
9.7530

■ 95.2120, 5.4550,  
5.7670

■ 102.1250, 1.1460,  
1.2580

■ 108.4510, -2.8880,  
-2.7280

■ 115.3640, -7.1970,  
-7.2370

# Harmonies

## Analogous

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



60.3760, 2.8380, 25.6700



55.9680, 30.5300, 30.4180



53.4670, 44.8820, 23.6180

# Triad

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



55.9680, 30.5300, 30.4180



53.7360, 17.5180, -20.1300



52.6040, -51.6710, -5.1990

# Complementary

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



55.9680, 30.5300, 30.4180



76.0320, -30.5300, -30.4180

# 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.



50.5860, -43.2330, -14.9530



55.9680, 30.5300, 30.4180



46.8510, -10.9070, -28.1150

# Square

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



55.9680, 30.5300, 30.4180



55.6400, 35.7640, -9.3880



46.4650, -33.0070, -24.0710



51.9660, -55.3860, 1.5580



# Rectangle

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



55.9680, 30.5300, 30.4180



54.2140, 46.6720, 13.2000



46.4650, -33.0070, -24.0710



52.1650, -49.0570, -8.5210

# Sweetspot

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



55.9680, 30.5300, 30.4180



116.0220, 12.1020, 11.9580



45.3350, -7.1120, 29.7840



57.6360, 7.1970, 7.2370



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.



55.9680, 30.5300, 30.4180



59.7890, 47.8120, 47.6200



51.7500, 42.4070, 18.9110



47.8370, 2.0170, 1.9930



42.2510, 46.3910, 45.8390



89.1160, 97.0450, 97.0210



# Inverse Universe

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



55.9680, 30.5300, 30.4180



59.7890, 47.8120, 47.6200



80.2500, -42.4070, -18.9110



47.8370, 2.0170, 1.9930



42.2510, 46.3910, 45.8390

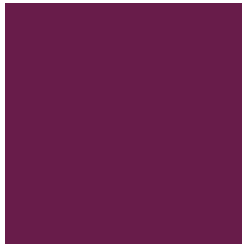


89.1160, 97.0450, 97.0210



# Previews

## White Background



This preview shows how the YIQ color 55.9680, 30.5300, 30.4180 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

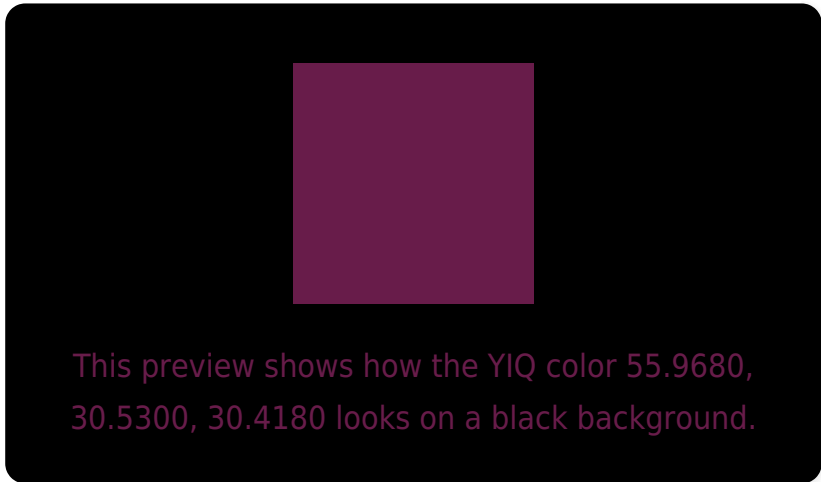
Any Text WCAG AA ✓ Pass

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

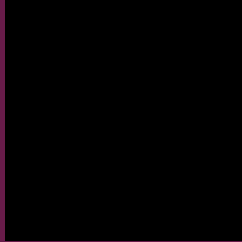
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 55.9680, 30.5300, 30.4180

## Background



This preview shows how black text looks on a background with the YIQ color 55.9680, 30.5300, 30.4180.



This preview shows how white text looks on a background with the YIQ color 55.9680, 30.5300,



# 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

55.9680, 30.5300, 30.4180

### Protanopia

59.0320, -20.2210, 8.5390

### Deuteranopia

60.2650, -2.0640, 4.3680



## Tritanopia

57.0650, 36.9060, 13.9780

# Trichromacy



## Original Color

55.9680, 30.5300, 30.4180

## Protanomaly

57.9420, -2.1120, 16.2560

## Deuteranomaly

58.7060, 10.1760, 13.8240

## Tritanomaly

56.3840, 34.7500, 20.0140

# Monochromacy



## Original Color

55.9680, 30.5300, 30.4180

## Achromatopsia

56.0000, -0.0000, 0.0000

## Achromatomaly

56.0110, 10.6350, 11.0110

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 55.9680, 30.5300, 30.4180 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, 28, 74)` looks like.

```
.text, #text, p{  
    color:rgb(104, 28, 74)  
}
```

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, 28, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 28, 74) }
```

## Border

The CSS property to change the border of an element to YIQ 55.9680, 30.5300, 30.4180 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, 28, 74) }
```



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

```
.border{ border-color:rgb(104, 28, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 28, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 28, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 28, 74);  
box-shadow:4px 4px 4px 4px rgb(104, 28,  
74) }
```

# Background

The CSS property to change the background color of an element to YIQ 55.9680, 30.5300, 30.4180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 28, 74) }
```

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

```
.background{ background-color: rgb(104, 28,  
74) }
```

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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