

Converting Colors

YIQ(68.4780, 10.8180, 13.2020)

Have a look what the booklet for
YIQ(68.4780, 10.8180, 13.2020)
contains.

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Color

**YIQ(68.4780, 10.8180,
13.2020)**

Conversions

Conversions Part 1

Format	Color
Hex	57394F
RGB	87, 57, 79
RGB Percent	34%, 22%, 31%
CMY	0.6587, 0.7765, 0.6902
CMYK	0.00, 0.35, 0.09, 0.66
HSL	316°, 21%, 28%
HSV	316°, 35%, 34%
XYZ	6.8065, 5.5169, 8.1045
YIQ	68.4780, 10.8180, 13.2020

Conversions

Conversions Part 2

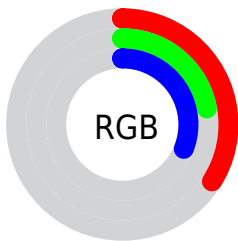
Format	Color
RYB	87, 57, 79
Decimal	5716303
CIELab	28.16, 17.29, -7.99
CIElCh	28, 19.050, 335.191
Yxy	5.5169, 0.3332, 0.2701
Android (android.graphics.Color)	4283906383 (0xFF57394F)
YUV	68.4780, 5.1873, 16.2438
Hunter-Lab	23.4881, 10.6228, -4.0162

Details

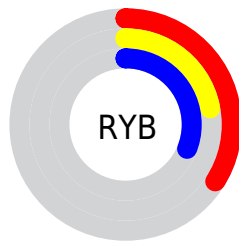
The YIQ color **68.4780, 10.8180, 13.2020** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **75.5220, -10.8180, -13.2020**, and the grayscale version is **68.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **117.1900, 11.6890, 13.9370**, and **24.4670, 9.3510, 12.2550** is the 20% darker color. If you saturate the color by 10%, you get **62.9670, 13.9350, 17.2870**, and if you desaturate by 10%, it is **73.9890, 7.7010, 9.1170**.

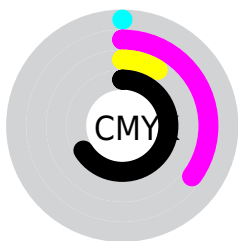
Distribution



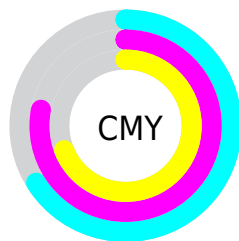
- Red (34%)
- Green (22%)
- Blue (31%)



- Red (34%)
- Yellow (22%)
- Blue (31%)



- Cyan (0%)
- Magenta (35%)
- Yellow (9%)
- Black (66%)



- Cyan (66%)
- Magenta (78%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 68.4780, 10.8180, 13.2020 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 68.4780, 10.8180, 13.2020 by changing the saturation by 10% instead.

68.4780, 10.8180,
13.2020

68.4780, 10.8180,
13.2020

255.0000, -0.0000,
-0.0000

45.7660, 9.9470,
12.4670

117.1900, 11.6890,
13.9370

24.4670, 9.3510,
12.2550

142.9020, 12.5600,
14.6720

6.4510, 6.2800,
7.3360

169.3150, 12.8350,
15.1950

0.0000, 0.0000,
0.0000

196.6140, 13.4310,
15.4070

225.0270, 13.7060,
15.9300

245.6080, 4.4000,

8.3680

■ 68.4780, 10.8180,
13.2020

■ 68.4780, 10.8180,
13.2020

■ 62.9670, 13.9350,
17.2870

■ 73.9890, 7.7010,
9.1170

■ 57.9290, 17.0980,
20.5380

■ 79.0270, 4.5380,
5.8660

■ 52.4180, 20.2150,
24.6230

■ 84.5380, 1.4210,
1.7810

■ 46.9070, 23.3320,
28.7080

■ 90.0490, -1.6960,
-2.3040

■ 41.2820, 26.7700,
32.4820

■ 95.6740, -5.1340,
-6.0780

■ 36.3580, 29.6120,
36.0440

■ 100.5980, -7.9760,
-9.6400

■ 33.3090, 31.3080,
38.3480

■ 106.1090,
-11.0930, -13.7250

■ 111.7340,
-14.5310, -17.4990

■ 116.6580,
-17.3730, -21.0610

Harmonies

Analogous

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



68.1820, -3.0280, 10.8280



68.4780, 10.8180, 13.2020



67.9860, 20.9510, 11.2790

Triad

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



68.4780, 10.8180, 13.2020



65.0860, 14.0770, -7.3230



54.6940, -43.4170, -11.6170

Complementary

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



68.4780, 10.8180, 13.2020



75.5220, -10.8180, -13.2020

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.



57.2840, -30.5790, -13.0030



68.4780, 10.8180, 13.2020



63.8070, 1.5610, -11.7750

Square

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



68.4780, 10.8180, 13.2020



66.0810, 21.6410, -1.2310



60.9670, -13.5690, -12.9050



59.4550, -35.0740, -3.1220

Rectangle

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



68.4780, 10.8180, 13.2020



67.5470, 23.5650, 7.9570



60.9670, -13.5690, -12.9050



54.7220, -40.6200, -12.7480

Sweetspot

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



68.4780, 10.8180, 13.2020



105.2010, 3.9880, 4.8200



62.8120, -4.8620, 11.0260



51.6630, 2.5670, 3.0390



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.



68.4780, 10.8180, 13.2020



83.6300, 16.5020, 20.3260



66.7680, 15.6330, 8.5370



40.5380, 1.4210, 1.7810



40.9990, 38.4130, 47.2530



89.8730, 84.8480, 103.3120

Inverse Universe

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



68.4780, 10.8180, 13.2020



83.6300, 16.5020, 20.3260



77.2320, -15.6330, -8.5370



40.5380, 1.4210, 1.7810



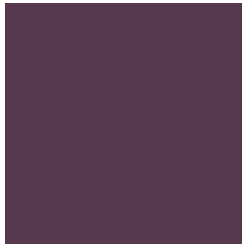
40.9990, 38.4130, 47.2530



89.8730, 84.8480, 103.3120

Previews

White Background



This preview shows how the YIQ color 68.4780, 10.8180, 13.2020 looks on a white background.

Color Contrast Check

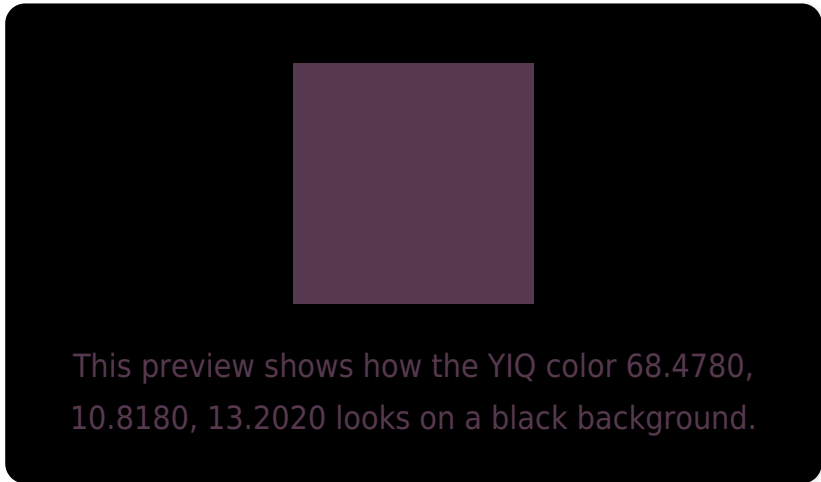
Large Text (above 18pt) WCAG AA ✓ Pass

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

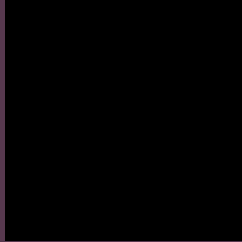
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 68.4780, 10.8180, 13.2020

Background



This preview shows how black text looks on a background with the YIQ color 68.4780, 10.8180, 13.2020.



This preview shows how white text looks on a background with the YIQ color 68.4780, 10.8180,

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

68.4780, 10.8180, 13.2020

Protanopia

66.9700, -8.4830, 5.0610

Deuteranopia

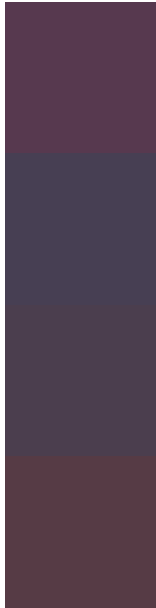
67.3790, -2.3850, 4.6790



Tritanopia

67.9310, 13.6160, 6.5440

Trichromacy



Original Color

68.4780, 10.8180, 13.2020

Protanomaly

67.6720, -1.6520, 7.9160

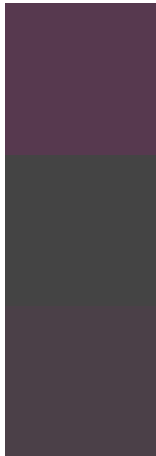
Deuteranomaly

67.7110, 2.6120, 7.7320

Tritanomaly

68.2130, 12.8820, 8.8340

Monochromacy



Original Color

68.4780, 10.8180, 13.2020

Achromatopsia

68.0000, -0.0000, 0.0000

Achromatomaly

68.2010, 3.9880, 4.8200

CSS Examples

Text

The CSS property to change the color of the text to YIQ 68.4780, 10.8180, 13.2020 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, 79)` looks like.

```
.text, #text, p{  
    color:rgb(87, 57, 79)  
}
```

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, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 57, 79) }
```

Border

The CSS property to change the border of an element to YIQ 68.4780, 10.8180, 13.2020 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, 79) }
```


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

```
.border{ border-color:rgb(87, 57, 79) }
```

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, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 57, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 57, 79);  
box-shadow:4px 4px 4px 4px rgb(87, 57, 79)  
}
```

Background

The CSS property to change the background color of an element to YIQ 68.4780, 10.8180, 13.2020 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, 79) }
```

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

```
.background{ background-color: rgb(87, 57,  
79) }
```

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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