

Converting Colors

YIQ(58.9960, 34.4680, 58.1800)

Have a look what the booklet for
YIQ(58.9960, 34.4680, 58.1800)
contains.

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Color

**YIQ(58.9960, 34.4680,
58.1800)**

Conversions

Conversions Part 1

Format	Color
Hex	800C78
RGB	128, 12, 120
RGB Percent	50%, 5%, 47%
CMY	0.4977, 0.9531, 0.5294
CMYK	0.00, 0.91, 0.06, 0.50
HSL	304°, 83%, 27%
HSV	304°, 91%, 50%
XYZ	12.4371, 6.2141, 18.3176
YIQ	58.9960, 34.4680, 58.1800

Conversions

Conversions Part 2

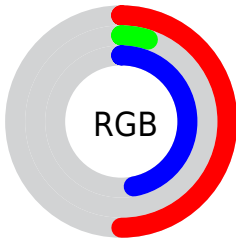
Format	Color
R_{YB}	128, 12, 120
Decimal	8391800
CIE _{Lab}	29.95, 55.80, -31.19
CIE _{LCh}	30, 63.923, 330.796
Yxy	6.2141, 0.3364, 0.1681
Android (android.graphics.Color)	4286581880 (0xFF800C78)
YUV	58.9960, 30.0750, 60.5165
Hunter-Lab	24.9282, 45.4326, -26.1173

Details

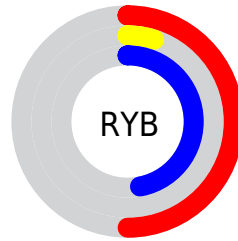
The YIQ color **58.9960, 34.4680, 58.1800** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **81.0040, -34.4680, -58.1800**, and the grayscale version is **59.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **119.3500, 33.2310, 53.0630**, and **30.2200, 21.3130, 37.7690** is the 20% darker color. If you saturate the color by 10%, you get **51.8380, 38.0890, 64.1450**, and if you desaturate by 10%, it is **66.7410, 30.5720, 51.6920**.

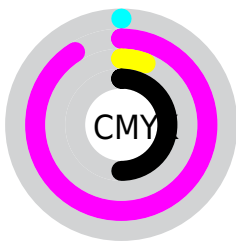
Distribution



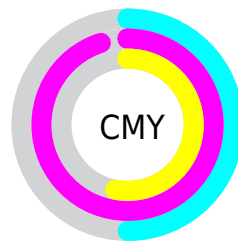
- Red (50%)
- Green (5%)
- Blue (47%)



- Red (50%)
- Yellow (5%)
- Blue (47%)



- Cyan (0%)
- Magenta (91%)
- Yellow (6%)
- Black (50%)



- Cyan (50%)
- Magenta (95%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 58.9960, 34.4680, 58.1800 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 58.9960, 34.4680, 58.1800 by changing the saturation by 10% instead.

■ 58.9960, 34.4680,
58.1800

■ 58.9960, 34.4680,
58.1800

■ 255.0000, -0.0000,
-0.0000

■ 41.0290, 29.7010,
50.9570

■ 119.3500, 33.2310,
53.0630

■ 30.2200, 21.3130,
37.7690

■ 146.9480, 34.4230,
53.4870

■ 21.0200, 15.5840,
25.9520

■ 174.7740, 34.9730,
54.5330

■ 7.7480, 1.1900,
11.4780

■ 198.0610, 26.6750,
50.7310


■ 0.0000, 0.0000,
0.0000


■ 214.4970, 18.9750,
36.0870


■ 231.5200, 11.0000,


20.9200


 248.5430, 3.0250,
5.7530


 58.9960, 34.4680,
58.1800


 58.9960, 34.4680,
58.1800


 51.8380, 38.0890,
64.1450

 66.7410, 30.5720,
51.6920

 74.4860, 26.6760,
45.2040

 81.6440, 23.0550,
39.2390

 89.3890, 19.1590,
32.7510

 97.0200, 15.5840,
25.9520

■ 104.7650, 11.6880,
19.4640

■ 112.5100, 7.7920,
12.9760

■ 119.6680, 4.1710,
7.0110

■ 127.4130, 0.2750,
0.5230

Harmonies

Analogous

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



68.5250, -30.9540, 32.3580



58.9960, 34.4680, 58.1800



53.6560, 67.4800, 54.6160

Triad

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



58.9960, 34.4680, 58.1800



66.2170, 32.2810, -17.8550



66.6240, -63.5910, -9.4390

Complementary

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



58.9960, 34.4680, 58.1800



81.0040, -34.4680, -58.1800

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.



60.9240, -47.5410, -24.9890



58.9960, 34.4680, 58.1800



57.7130, -2.0110, -35.1550

Square

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



58.9960, 34.4680, 58.1800



64.0780, 61.2540, 2.2300



52.6650, -28.4190, -41.1470



69.0810, -74.6430, 3.6370

Rectangle

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



58.9960, 34.4680, 58.1800



49.8940, 78.0730, 44.3530



52.6650, -28.4190, -41.1470



64.8000, -58.4550, -14.4150

Sweetspot

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



58.9960, 34.4680, 58.1800



139.2430, 13.3380, 22.6020



27.6160, -32.4680, 37.7720



67.9230, 8.0670, 13.4990



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000

Same Dimension

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



58.9960, 34.4680, 58.1800



67.1900, 49.5020, 83.0860



52.3840, 53.0860, 40.1420



59.7770, 2.2460, 3.3500



51.8380, 38.0890, 64.1450



0.0000, 0.0000, 0.0000

Inverse Universe

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



58.9960, 34.4680, 58.1800



67.1900, 49.5020, 83.0860



87.6160, -53.0860, -40.1420



59.7770, 2.2460, 3.3500



51.8380, 38.0890, 64.1450



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YIQ color 58.9960, 34.4680, 58.1800 looks on a white background.

Color Contrast Check

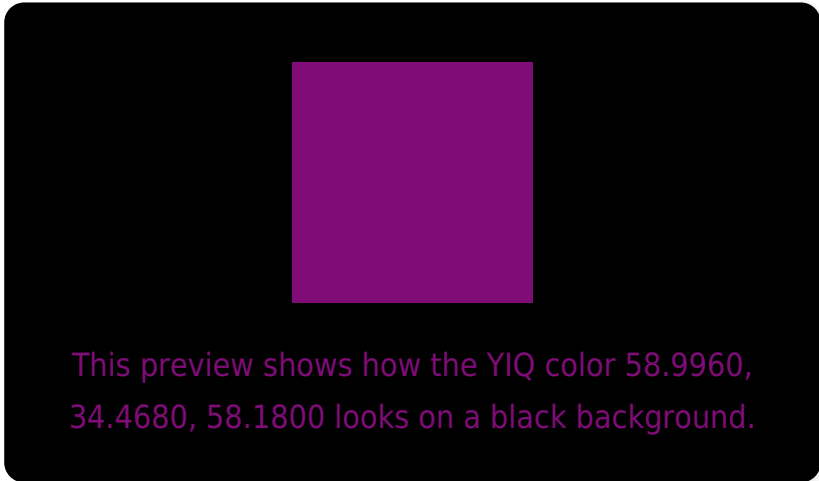
Large Text (above 18pt) WCAG AA ✓ Pass

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

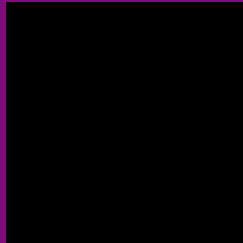
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 58.9960, 34.4680, 58.1800

Background



This preview shows how black text looks on a background with the YIQ color 58.9960, 34.4680, 58.1800.



This preview shows how white text looks on a background with the YIQ color 58.9960, 34.4680,

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

58.9960, 34.4680, 58.1800

Protanopia

58.0760, -67.0790, 9.7290

Deuteranopia

71.2810, -25.3560, 7.9880



Tritanopia

70.1690, 42.5450, 16.4090

Trichromacy



Original Color

58.9960, 34.4680, 58.1800

Protanomaly

58.5480, -29.7610, 27.2550

Deuteranomaly

67.0810, -3.5810, 26.3630

Tritanomaly

66.2850, 39.8830, 31.6190

Monochromacy



Original Color

58.9960, 34.4680, 58.1800

Achromatopsia

59.0000, 0.0000, -0.0000

Achromatomaly

59.0040, 12.5130, 21.0330

CSS Examples

Text

The CSS property to change the color of the text to YIQ 58.9960, 34.4680, 58.1800 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(128, 12, 120)` looks like.

```
.text, #text, p{  
    color:rgb(128, 12, 120)  
}
```

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(128, 12, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 12, 120) }
```

Border

The CSS property to change the border of an element to YIQ 58.9960, 34.4680, 58.1800 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(128, 12, 120) }
```


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

```
.border{ border-color:rgb(128, 12, 120) }
```

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

Here you see how a box with a 4 pixel rgb(128, 12, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 12, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 12, 120);  
box-shadow:4px 4px 4px 4px rgb(128, 12,  
120) }
```

Background

The CSS property to change the background color of an element to YIQ 58.9960, 34.4680, 58.1800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 12, 120) }
```

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

```
.background{ background-color: rgb(128, 12,  
120) }
```

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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