

Converting Colors

YIQ(58.9780, -12.1020,
-11.9580)

Have a look what the booklet for
YIQ(58.9780, -12.1020, -11.9580)
contains.

YIQ(58.9780, -12.1020, -11.9580)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(58.9780, -12.1020,
-11.9580)**

Conversions

Conversions Part 1

Format	Color
Hex	284634
RGB	40, 70, 52
RGB Percent	16%, 27%, 20%
CMY	0.8432, 0.7254, 0.7961
CMYK	0.43, 0.00, 0.26, 0.73
HSL	144°, 27%, 22%
HSV	144°, 43%, 27%
XYZ	3.6848, 5.0804, 4.0342
YIQ	58.9780, -12.1020, -11.9580

Conversions

Conversions Part 2

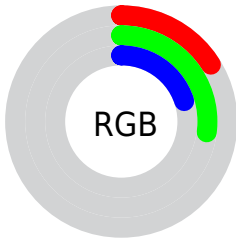
Format	Color
RYB	40, 61, 70
Decimal	2639412
CIELab	26.96, -15.96, 7.40
CIELCh	27, 17.591, 155.128
Yxy	5.0804, 0.2879, 0.3969
Android (android.graphics.Color)	4280829492 (0xFF284634)
YUV	58.9780, -3.4402, -16.6437
Hunter-Lab	22.5398, -10.2633, 5.1661

Details

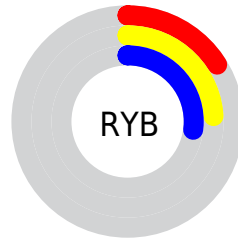
The YIQ color **58.9780, -12.1020, -11.9580** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **51.0220, 12.1020, 11.9580**, and the grayscale version is **59.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **107.0380, -12.3310, -13.3150**, and **16.6470, -9.6720, -11.9440** is the 20% darker color. If you saturate the color by 10%, you get **56.4290, -14.9900, -14.6860**, and if you desaturate by 10%, it is **61.5270, -9.2140, -9.2300**.

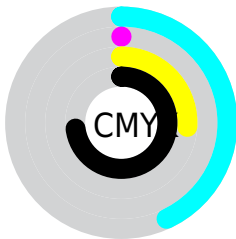
Distribution



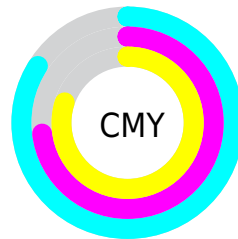
- Red (16%)
- Green (27%)
- Blue (20%)



- Red (16%)
- Yellow (24%)
- Blue (27%)



- Cyan (43%)
- Magenta (0%)
- Yellow (26%)
- Black (73%)



- Cyan (84%)
- Magenta (73%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 58.9780, -12.1020, -11.9580 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 58.9780, -12.1020, -11.9580 by changing the saturation by 10% instead.

■ 58.9780, -12.1020,
-11.9580

■ 58.9780, -12.1020,
-11.9580

■ 255.0000, -0.0000,
-0.0000

■ 36.5050, -12.1480,
-11.1240

■ 107.0380,
-12.3310, -13.3150

■ 16.6470, -9.6720,
-11.9440

■ 131.7390,
-12.9270, -13.5270

■ 0.0000, 0.0000,
0.0000

■ 158.3260,
-13.2020, -14.0500

■ 185.3260,
-13.2020, -14.0500

■ 212.9130,
-13.4770, -14.5730

■ 241.5000,

-13.7520, -15.0960

252.9070, -4.1720,
-1.4840

58.9780, -12.1020,
-11.9580

58.9780, -12.1020,
-11.9580

56.4290, -14.9900,
-14.6860

61.5270, -9.2140,
-9.2300

53.8800, -17.8780,
-17.4140

64.0760, -6.3260,
-6.5020

51.2170, -20.4450,
-20.4530

66.7390, -3.7590,
-3.4630

48.6680, -23.3330,
-23.1810

69.2880, -0.8710,
-0.7350

46.1190, -26.2210,
-25.9090

71.8370, 2.0170,
1.9930

■ 44.2820, -28.2380,
-27.9020

■ 74.3860, 4.9050,
4.7210

■ 76.9350, 7.7930,
7.4490

■ 79.5980, 10.3600,
10.4880

■ 82.1470, 13.2480,
13.2160

Harmonies

Analogous

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



61.3340, 1.5150, -10.9410



58.9780, -12.1020, -11.9580



56.0780, -27.0030, -11.7310

Triad

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



58.9780, -12.1020, -11.9580



62.4790, -17.2860, 4.9060



64.4820, 22.1900, 5.3420

Complementary

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



58.9780, -12.1020, -11.9580



51.0220, 12.1020, 11.9580

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.



65.0890, 19.1630, 10.6430



58.9780, -12.1020, -11.9580



64.7690, -3.3030, 10.3050

Square

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



58.9780, -12.1020, -11.9580



58.0210, -30.8560, -2.4720



65.6520, 10.2680, 12.1560



63.7110, 19.8070, -1.0330

Rectangle

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



58.9780, -12.1020, -11.9580



54.7120, -34.6600, -10.6280



65.6520, 10.2680, 12.1560



64.6500, 21.7770, 7.3210

Sweetspot

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



58.9780, -12.1020, -11.9580



87.6140, -4.9050, -4.7210



63.2910, 3.0740, -11.6620



43.3370, -2.5670, -3.0390



173.0000, -0.0000, 0.0000



46.0000, 0.0000, -0.0000

Same Dimension

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



58.9780, -12.1020, -11.9580



74.7550, -19.0240, -18.6720



60.6880, -16.9170, -7.2930



34.5760, -1.7420, -1.4700



62.6730, -40.0650, -39.3370



143.6230, -91.6360, -90.4200

Inverse Universe

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



51.0220, 12.1020, 11.9580



62.2450, 19.0240, 18.6720



49.3120, 16.9170, 7.2930



33.4240, 1.7420, 1.4700



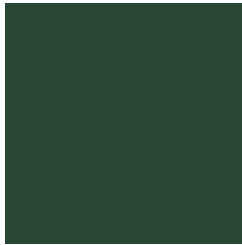
36.4410, 39.7440, 39.6480



83.3770, 91.6360, 90.4200

Previews

White Background



This preview shows how the YIQ color 58.9780, -12.1020, -11.9580 looks on a white background.

Color Contrast Check

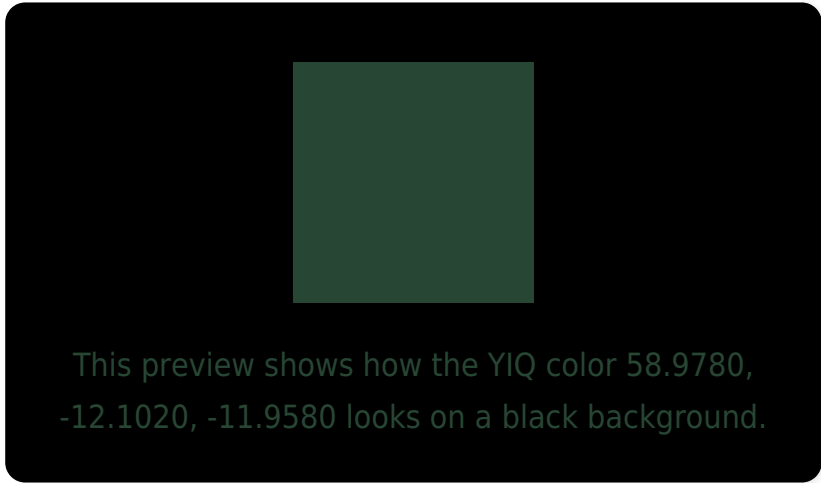
Large Text (above 18pt) WCAG AA ✓ Pass

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 58.9780, -12.1020, -11.9580

Background



This preview shows how black text looks on a background with the YIQ color 58.9780, -12.1020, -11.9580.



This preview shows how white text looks on a background with the YIQ color 58.9780, -12.1020,

-11.9580.

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

58.9780, -12.1020, -11.9580

Protanopia

62.8990, 7.4740, -3.2940

Deuteranopia

63.7900, 9.3990, 0.3670



Tritanopia

61.1060, -15.0380, -2.7980

Trichromacy



Original Color

58.9780, -12.1020, -11.9580

Protanomaly

61.7840, 0.3680, -6.6720

Deuteranomaly

61.8490, 1.7430, -4.0570

Tritanomaly

60.1830, -13.9370, -6.2330

Monochromacy



Original Color

58.9780, -12.1020, -11.9580

Achromatopsia

59.0000, 0.0000, -0.0000

Achromatomaly

58.9130, -4.3090, -4.5090

CSS Examples

Text

The CSS property to change the color of the text to YIQ 58.9780, -12.1020, -11.9580 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(40, 70, 52)` looks like.

```
.text, #text, p{  
    color:rgb(40, 70, 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(40, 70, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 70, 52) }
```

Border

The CSS property to change the border of an element to YIQ 58.9780, -12.1020, -11.9580 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(40, 70, 52) }
```


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

```
.border{ border-color:rgb(40, 70, 52) }
```

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

Here you see how a box with a 4 pixel rgb(40, 70, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 70, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 70, 52);  
box-shadow:4px 4px 4px 4px rgb(40, 70, 52)  
}
```

Background

The CSS property to change the background color of an element to YIQ 58.9780, -12.1020, -11.9580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 70, 52) }
```

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

```
.background{ background-color: rgb(40, 70,  
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