

Converting Colors

YIQ(46.5800, 27.9660, 10.7980)

Have a look what the booklet for
YIQ(46.5800, 27.9660, 10.7980)
contains.

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Color

**YIQ(46.5800, 27.9660,
10.7980)**

Conversions

Conversions Part 1

Format	Color
Hex	502022
RGB	80, 32, 34
RGB Percent	31%, 13%, 13%
CMY	0.6862, 0.8746, 0.8666
CMYK	0.00, 0.60, 0.57, 0.69
HSL	357°, 43%, 22%
HSV	357°, 60%, 31%
XYZ	4.1159, 2.8543, 1.8495
YIQ	46.5800, 27.9660, 10.7980

Conversions

Conversions Part 2

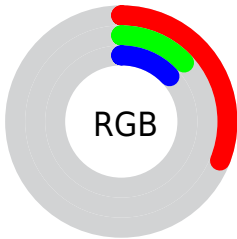
Format	Color
RYB	80, 32, 34
Decimal	5251106
CIELab	19.45, 22.78, 9.71
CIELCh	19, 24.759, 23.092
Yxy	2.8543, 0.4667, 0.3236
Android (android.graphics.Color)	4283441186 (0xFF502022)
YUV	46.5800, -6.2019, 29.3093
Hunter-Lab	16.8948, 13.9196, 5.3358

Details

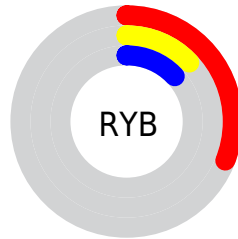
The YIQ color **46.5800, 27.9660, 10.7980** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **65.4200, -27.9660, -10.7980**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **94.1460, 32.1840, 11.4480**, and **10.2800, 19.9430, 7.5190** is the 20% darker color. If you saturate the color by 10%, you get **40.9720, 32.7340, 12.4940**, and if you desaturate by 10%, it is **52.1880, 23.1980, 9.1020**.

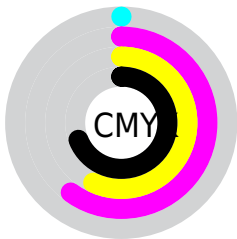
Distribution



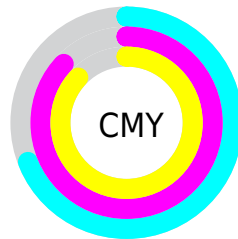
- Red (31%)
- Green (13%)
- Blue (13%)



- Red (31%)
- Yellow (13%)
- Blue (13%)



- Cyan (0%)
- Magenta (60%)
- Yellow (57%)
- Black (69%)



- Cyan (69%)
- Magenta (87%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 46.5800, 27.9660, 10.7980 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 46.5800, 27.9660, 10.7980 by changing the saturation by 10% instead.

■ 46.5800, 27.9660,
10.7980

■ 46.5800, 27.9660,
10.7980

■ 255.0000, -0.0000,
-0.0000

■ 23.0960, 26.4530,
10.6850

■ 94.1460, 32.1840,
11.4480

■ 10.2800, 19.9430,
7.5190

■ 119.6300, 33.6970,
11.5610

■ 0.0000, 0.0000,
0.0000

■ 145.5270, 35.4850,
12.1970

■ 172.1250, 36.6770,
12.6210

■ 199.7230, 37.8690,
13.0450

■ 222.5260, 28.0580,

9.1300

242.2680, 11.0490,
3.5050

46.5800, 27.9660,
10.7980

46.5800, 27.9660,
10.7980

40.9720, 32.7340,
12.4940

52.1880, 23.1980,
9.1020

35.4780, 37.1810,
14.5010

57.6820, 18.7510,
7.0950

29.8700, 41.9490,
16.1970

63.2900, 13.9830,
5.3990

24.2620, 46.7170,
17.8930

68.8980, 9.2150,
3.7030

74.3920, 4.7680,
1.6960

■ 80.0000, 0.0000,
-0.0000

■ 85.6080, -4.7680,
-1.6960

■ 91.1020, -9.2150,
-3.7030

■ 96.7100, -13.9830,
-5.3990

Harmonies

Analogous

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



47.4470, 21.2710, 16.4950



46.5800, 27.9660, 10.7980



46.2990, 26.9590, 1.5110

Triad

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



46.5800, 27.9660, 10.7980



40.7130, -10.0380, -16.3260



38.8120, -40.3930, -0.3370

Complementary

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



46.5800, 27.9660, 10.7980



65.4200, -27.9660, -10.7980

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.



40.3620, -39.2460, -4.6060



46.5800, 27.9660, 10.7980



37.6600, -28.8820, -16.2260

Square

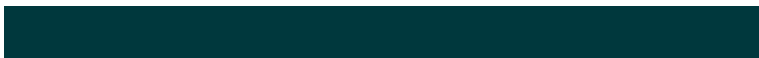
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.5800, 27.9660, 10.7980



43.4610, 8.3470, -13.6130



39.8260, -34.9810, -10.3170



47.2070, -13.3440, 10.5600

Rectangle

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



46.5800, 27.9660, 10.7980



45.3430, 23.6590, -4.7650



39.8260, -34.9810, -10.3170



39.7580, -40.3010, -2.0050

Sweetspot

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



46.5800, 27.9660, 10.7980



91.7950, 11.0030, 4.3390



51.2260, 12.0080, 24.6800



45.5880, 7.1520, 2.5440



181.0000, -0.0000, 0.0000



54.0000, -0.0000, 0.0000

Same Dimension

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



46.5800, 27.9660, 10.7980



52.0660, 44.3330, 17.0450



59.2660, 22.5580, -1.3300



38.1960, 2.3840, 0.8480



31.8510, 61.2960, 23.5040



70.5080, 135.0620, 52.2940

Inverse Universe

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



46.5800, 27.9660, 10.7980



52.0660, 44.3330, 17.0450



52.7340, -22.5580, 1.3300



38.1960, 2.3840, 0.8480



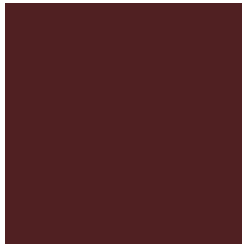
31.8510, 61.2960, 23.5040



70.5080, 135.0620, 52.2940

Previews

White Background



This preview shows how the YIQ color 46.5800, 27.9660, 10.7980 looks on a white background.

Color Contrast Check

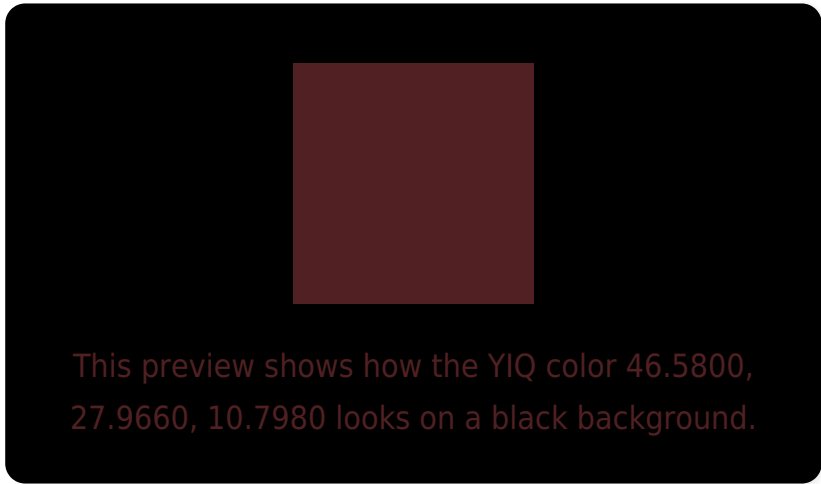
Large Text (above 18pt) WCAG AA ✓ Pass

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

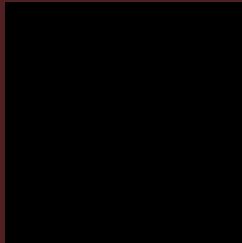
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 46.5800, 27.9660, 10.7980

Background



This preview shows how black text looks on a background with the YIQ color 46.5800, 27.9660, 10.7980.



This preview shows how white text looks on a background with the YIQ color 46.5800, 27.9660,

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

46.5800, 27.9660, 10.7980

Protanopia

48.0990, 4.0350, -1.5410

Deuteranopia

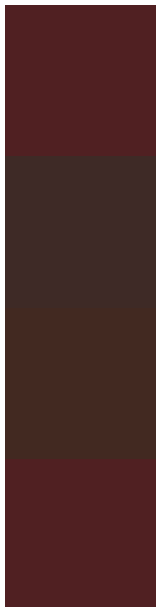
47.9920, 11.6460, -1.8100



Tritanopia

46.5800, 27.9660, 10.7980

Trichromacy



Original Color

46.5800, 27.9660, 10.7980

Protanomaly

47.5240, 13.2040, 2.9960

Deuteranomaly

47.5630, 17.4680, 2.8120

Tritanomaly

46.5800, 27.9660, 10.7980

Monochromacy



Original Color

46.5800, 27.9660, 10.7980

Achromatopsia

47.0000, 0.0000, 0.0000

Achromatomaly

47.0830, 10.1320, 3.6040

CSS Examples

Text

The CSS property to change the color of the text to YIQ 46.5800, 27.9660, 10.7980 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(80, 32, 34)` looks like.

```
.text, #text, p{  
    color:rgb(80, 32, 34)  
}
```

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(80, 32, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 32, 34) }
```

Border

The CSS property to change the border of an element to YIQ 46.5800, 27.9660, 10.7980 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(80, 32, 34) }
```


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

```
.border{ border-color:rgb(80, 32, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 32, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 32, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 32, 34);  
box-shadow:4px 4px 4px 4px rgb(80, 32, 34)  
}
```

Background

The CSS property to change the background color of an element to YIQ 46.5800, 27.9660, 10.7980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 32, 34) }
```

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

```
.background{ background-color: rgb(80, 32,  
34) }
```

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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