

Converting Colors

YIQ(27.0670, 51.7600, 20.1120)

Have a look what the booklet for
YIQ(27.0670, 51.7600, 20.1120)
contains.

YIQ(27.0670, 51.7600, 20.1120)	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>	30

Color

**YIQ(27.0670, 51.7600,
20.1120)**

Conversions

Conversions Part 1

Format	Color
Hex	590004
RGB	89, 0, 4
RGB Percent	35%, 0%, 2%
CMY	0.6508, 1.0000, 0.9841
CMYK	0.00, 1.00, 0.95, 0.65
HSL	357°, 100%, 17%
HSV	357°, 100%, 35%
XYZ	4.1473, 2.1354, 0.3099
YIQ	27.0670, 51.7600, 20.1120

Conversions

Conversions Part 2

Format	Color
R_{YB}	89, 0, 4
Decimal	5832708
CIE _{Lab}	16.18, 37.31, 23.47
CIE _{LCh}	16, 44.076, 32.170
Yxy	2.1354, 0.6291, 0.3239
Android (android.graphics.Color)	4284022788 (0xFF590004)
YUV	27.0670, -11.3720, 54.3152
Hunter-Lab	14.6131, 25.0862, 8.9717

Details

The YIQ color **27.0670, 51.7600, 20.1120** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **61.9330, -51.7600, -20.1120**, and the grayscale version is **27.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **81.9270, 54.9700, 17.0020**, and **10.5790, 20.5390, 7.7310** is the 20% darker color. If you saturate the color by 10%, you get **27.0670, 51.7600, 20.1120**, and if you desaturate by 10%, it is **33.3760, 46.3960, 18.2040**.

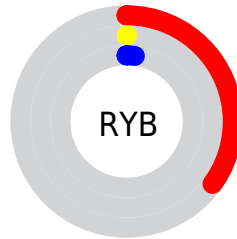
Distribution



Red (35%)

Green (0%)

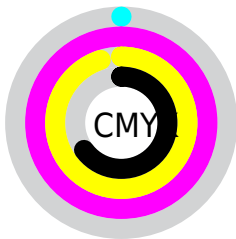
Blue (2%)



Red (35%)

Yellow (0%)

Blue (2%)

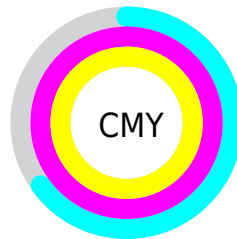


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (65%)



Cyan (65%)

Magenta (100%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 27.0670, 51.7600, 20.1120 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 27.0670, 51.7600, 20.1120 by changing the saturation by 10% instead.

■ 27.0670, 51.7600,
20.1120

■ 27.0670, 51.7600,
20.1120

■ 245.5790, 11.3710,
-2.3330

■ 18.2390, 36.3560,
12.9320

■ 81.9270, 54.9700,
17.0020

■ 10.5790, 20.5390,
7.7310

■ 107.7810, 58.3170,
16.9170

■ 0.0000, 0.0000,
0.0000


■ 134.7490, 61.3430,
17.1430


■ 161.8310, 64.0480,
17.6800


■ 186.9230, 60.7930,
16.0970


■ 205.7360, 45.0220,


10.0620


 225.9510, 28.0590,
3.6030


 27.0670, 51.7600,
20.1120

 33.3760, 46.3960,
18.2040

 39.5710, 41.3530,
15.9850

 45.8800, 35.9890,
14.0770

 52.0750, 30.9460,
11.8580

 58.3840, 25.5820,
9.9500

■ 63.9920, 20.8140,
8.2540

■ 70.3010, 15.4500,
6.3460

■ 76.4960, 10.4070,
4.1270

■ 82.8050, 5.0430,
2.2190

Harmonies

Analogous

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



31.9540, 42.3130, 31.6330



27.0670, 51.7600, 20.1120



37.0890, 36.3580, 1.8780

Triad

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



27.0670, 51.7600, 20.1120



30.5070, -15.6300, -25.1180



37.6840, -45.4840, 9.3320

Complementary

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



27.0670, 51.7600, 20.1120



61.9330, -51.7600, -20.1120

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.



40.8810, -44.8410, 3.1830



27.0670, 51.7600, 20.1120



35.8990, -28.0570, -14.6570

Square

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



27.0670, 51.7600, 20.1120



32.0740, -3.9850, -21.4010



39.4330, -38.0080, -5.0160



39.3890, -16.3720, 21.3880

Rectangle

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



27.0670, 51.7600, 20.1120



38.4740, 24.6680, -6.5320



39.4330, -38.0080, -5.0160



39.3310, -45.9880, 7.4520

Sweetspot

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



27.0670, 51.7600, 20.1120



90.6930, 20.2180, 8.0420



35.5610, 22.0910, 45.6990



44.2790, 12.5160, 4.4520



186.0000, -0.0000, -0.0000



59.0000, 0.0000, -0.0000

Same Dimension

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



27.0670, 51.7600, 20.1120



34.9550, 66.9350, 25.9350



50.0910, 42.0440, -2.0520



40.1960, 2.3840, 0.8480



32.5630, 62.1670, 24.2390



71.5190, 136.5290, 53.2410

Inverse Universe

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



27.0670, 51.7600, 20.1120



34.9550, 66.9350, 25.9350



38.9090, -42.0440, 2.0520



40.1960, 2.3840, 0.8480



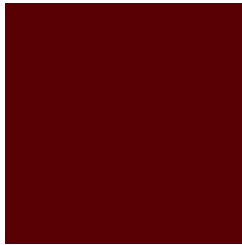
32.5630, 62.1670, 24.2390



71.5190, 136.5290, 53.2410

Previews

White Background



This preview shows how the YIQ color 27.0670, 51.7600, 20.1120 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

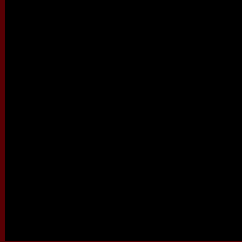
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 27.0670, 51.7600, 20.1120

Background



This preview shows how black text looks on a background with the YIQ color 27.0670, 51.7600, 20.1120.

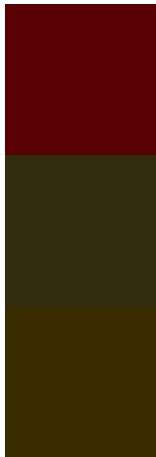


This preview shows how white text looks on a background with the YIQ color 27.0670, 51.7600,

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

27.0670, 51.7600, 20.1120

Protanopia

42.8470, 13.2520, -8.8920

Deuteranopia

42.2840, 22.1470, -10.4050

Trichromacy



Original Color

27.0670, 51.7600, 20.1120

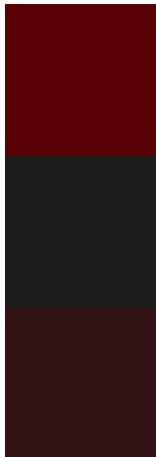
Protanomaly

37.2990, 26.9590, 1.5110

Deuteranomaly

36.5940, 33.3780, 0.8180

Monochromacy



Original Color

27.0670, 51.7600, 20.1120

Achromatopsia

27.0000, -0.0000, 0.0000

Achromatomaly

27.0950, 19.0260, 7.6180

CSS Examples

Text

The CSS property to change the color of the text to YIQ 27.0670, 51.7600, 20.1120 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(89, 0, 4)` looks like.

```
.text, #text, p{  
    color:rgb(89, 0, 4)  
}
```

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(89, 0, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 0, 4) }
```

Border

The CSS property to change the border of an element to YIQ 27.0670, 51.7600, 20.1120 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(89, 0, 4) }
```

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

```
.border{ border-color:rgb(89, 0, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 0, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 0, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(89, 0, 4); box-shadow:4px  
4px 4px 4px rgb(89, 0, 4) }
```


Background

The CSS property to change the background color of an element to YIQ 27.0670, 51.7600, 20.1120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 0, 4) }
```

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

```
.background{ background-color: rgb(89, 0,  
4) }
```

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