

Converting Colors

YIQ(71.8310, 28.5170, 6.3170)

Have a look what the booklet for
YIQ(71.8310, 28.5170, 6.3170)
contains.

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Color

**YIQ(71.8310, 28.5170,
6.3170)**

Conversions

Conversions Part 1

Format	Color
Hex	673C33
RGB	103, 60, 51
RGB Percent	40%, 24%, 20%
CMY	0.5960, 0.7648, 0.7999
CMYK	0.00, 0.42, 0.50, 0.60
HSL	10°, 34%, 30%
HSV	10°, 50%, 40%
XYZ	7.8095, 6.3541, 3.9504
YIQ	71.8310, 28.5170, 6.3170

Conversions

Conversions Part 2

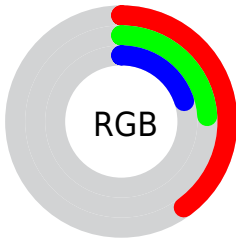
Format	Color
R_{YB}	103, 62, 51
Decimal	6765619
CIE Lab	30.29, 17.85, 13.60
CIE LCh	30, 22.438, 37.304
Yxy	6.3541, 0.4311, 0.3508
Android (android.graphics.Color)	4284955699 (0xFF673C33)
YUV	71.8310, -10.2697, 27.3352
Hunter-Lab	25.2074, 11.1879, 8.3536

Details

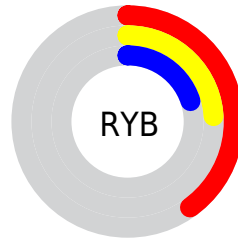
The YIQ color **71.8310, 28.5170, 6.3170** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **82.1690, -28.5170, -6.3170**, and the grayscale version is **72.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **121.0980, 32.1390, 6.7550**, and **25.8090, 25.5830, 4.4230** is the 20% darker color. If you saturate the color by 10%, you get **65.4080, 34.2020, 7.9140**, and if you desaturate by 10%, it is **78.2540, 22.8320, 4.7200**.

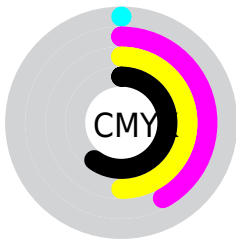
Distribution



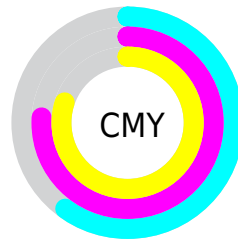
- Red (40%)
- Green (24%)
- Blue (20%)



- Red (40%)
- Yellow (24%)
- Blue (20%)



- Cyan (0%)
- Magenta (42%)
- Yellow (50%)
- Black (60%)



- Cyan (60%)
- Magenta (76%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 71.8310, 28.5170, 6.3170 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 71.8310, 28.5170, 6.3170 by changing the saturation by 10% instead.

■ 71.8310, 28.5170,
6.3170

■ 71.8310, 28.5170,
6.3170

■ 255.0000, -0.0000,
-0.0000

■ 49.0480, 26.4080,
5.9920

■ 121.0980, 32.1390,
6.7550

■ 26.1080, 26.1790,
4.6350

■ 146.9950, 33.9270,
7.3910

■ 9.6820, 18.7510,
7.0950

■ 174.1800, 34.8440,
7.2920

■ 0.0000, 0.0000,
0.0000

■ 201.7780, 36.0360,
7.7160

■ 225.4780, 28.0130,
4.4370

■ 245.1060, 11.3250,

-1.4990

■ 71.8310, 28.5170,
6.3170

■ 71.8310, 28.5170,
6.3170

■ 65.4080, 34.2020,
7.9140

■ 78.2540, 22.8320,
4.7200

■ 59.4580, 39.9330,
8.6770

■ 84.2040, 17.1010,
3.9570

■ 53.0350, 45.6180,
10.2740

■ 90.6270, 11.4160,
2.3600

■ 47.1990, 51.0280,
11.3480

■ 96.4630, 6.0060,
1.2860

■ 41.3630, 56.4380,
12.4220

■ 103.0000, -0.0000,
0.0000

■ 108.8360, -5.4100,
-1.0740

■ 115.2590,
-11.0950, -2.6710

■ 121.0950,
-16.5050, -3.7450

■ 127.6320,
-22.5110, -5.0310

Harmonies

Analogous

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



72.6060, 25.0770, 13.5970



71.8310, 28.5170, 6.3170



70.9950, 24.7590, -2.6730

Triad

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



71.8310, 28.5170, 6.3170



63.9340, -17.9700, -15.7460



69.8960, -22.8340, 6.3340

Complementary

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



71.8310, 28.5170, 6.3170



82.1690, -28.5170, -6.3170

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.



61.4260, -45.2980, -5.0580



71.8310, 28.5170, 6.3170



57.2930, -43.9660, -18.1900

Square

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



71.8310, 28.5170, 6.3170



67.4540, 1.0570, -13.6550



57.4480, -51.5320, -13.2280



73.0620, -2.5700, 13.5420

Rectangle

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



71.8310, 28.5170, 6.3170



70.3100, 19.2580, -7.6060



57.4480, -51.5320, -13.2280



67.7810, -29.9400, 2.9560

Sweetspot

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



71.8310, 28.5170, 6.3170



122.7410, 11.0950, 2.6710



71.4500, 17.1890, 24.3970



61.6480, 6.9230, 1.1870



196.0000, -0.0000, -0.0000



69.0000, -0.0000, -0.0000

Same Dimension

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



71.8310, 28.5170, 6.3170



85.7360, 45.0220, 10.0620



87.0930, 21.3670, -7.2810



48.0820, 2.7050, 0.5370



46.1250, 63.0400, 13.9200



97.0120, 132.6820, 29.3380

Inverse Universe

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



82.1690, -28.5170, -6.3170



102.2640, -45.0220, -10.0620



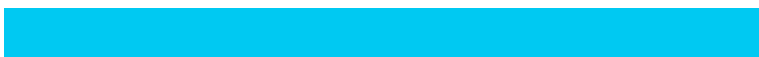
66.9070, -21.3670, 7.2810



48.9180, -2.7050, -0.5370



68.8750, -63.0400, -13.9200



145.5750, -132.9570, -29.8610

Previews

White Background



This preview shows how the YIQ color 71.8310, 28.5170, 6.3170 looks on a white background.

Color Contrast Check

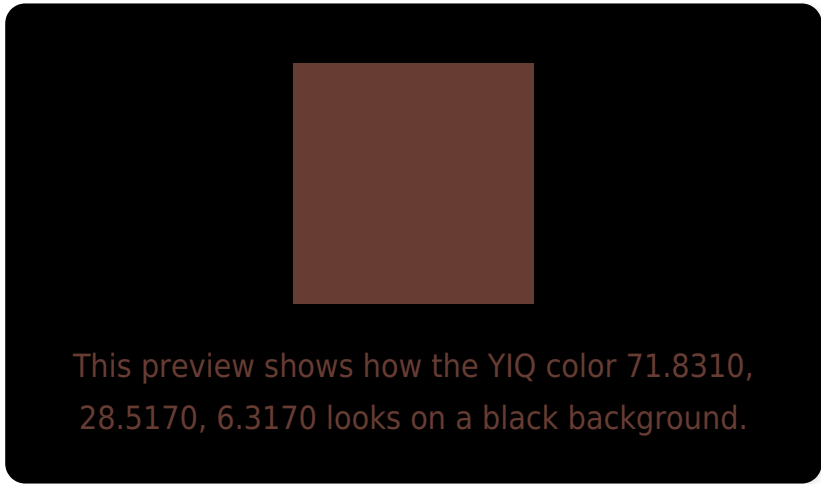
Large Text (above 18pt) WCAG AA ✓ Pass

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

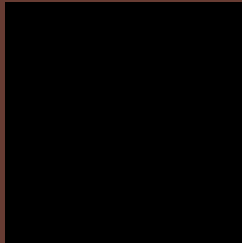
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 71.8310, 28.5170, 6.3170

Background



This preview shows how black text looks on a background with the YIQ color 71.8310, 28.5170, 6.3170.

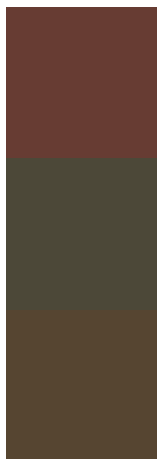


This preview shows how white text looks on a background with the YIQ color 71.8310, 28.5170,

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

71.8310, 28.5170, 6.3170

Protanopia

71.3720, 7.5200, -4.1280

Deuteranopia

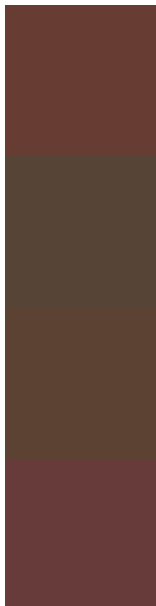
71.8030, 16.5520, -2.6160



Tritanopia

72.3240, 25.8110, 11.3070

Trichromacy



Original Color

71.8310, 28.5170, 6.3170

Protanomaly

71.7860, 15.2220, -0.5380

Deuteranomaly

71.9500, 20.6320, 0.5360

Tritanomaly

72.4550, 26.8200, 9.5400

Monochromacy



Original Color

71.8310, 28.5170, 6.3170

Achromatopsia

72.0000, -0.0000, 0.0000

Achromatomaly

72.0290, 10.2240, 1.9360

CSS Examples

Text

The CSS property to change the color of the text to YIQ 71.8310, 28.5170, 6.3170 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(103, 60, 51)` looks like.

```
.text, #text, p{  
    color:rgb(103, 60, 51)  
}
```

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(103, 60, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 60, 51) }
```

Border

The CSS property to change the border of an element to YIQ 71.8310, 28.5170, 6.3170 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(103, 60, 51) }
```


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

```
.border{ border-color:rgb(103, 60, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 60, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 60, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 60, 51);  
box-shadow:4px 4px 4px 4px rgb(103, 60,  
51) }
```

Background

The CSS property to change the background color of an element to YIQ 71.8310, 28.5170, 6.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 60, 51) }
```

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

```
.background{ background-color: rgb(103, 60,  
51) }
```

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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