

Converting Colors

YIQ(29.1770, 40.0670, 28.2830)

Have a look what the booklet for
YIQ(29.1770, 40.0670, 28.2830)
contains.

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Color

**YIQ(29.1770, 40.0670,
28.2830)**

Conversions

Conversions Part 1

Format	Color
Hex	550021
RGB	85, 0, 33
RGB Percent	33%, 0%, 13%
CMY	0.6664, 1.0000, 0.8705
CMYK	0.00, 1.00, 0.61, 0.67
HSL	337°, 100%, 17%
HSV	337°, 100%, 33%
XYZ	4.0265, 2.0440, 1.6236
YIQ	29.1770, 40.0670, 28.2830

Conversions

Conversions Part 2

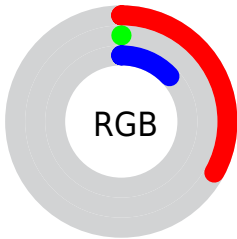
Format	Color
R_{YB}	85, 0, 33
Decimal	5570593
CIE Lab	15.72, 37.59, 5.46
CIE LCh	16, 37.986, 8.258
Yxy	2.0440, 0.5233, 0.2657
Android (android.graphics.Color)	4283760673 (0xFF550021)
YUV	29.1770, 1.8847, 48.9568
Hunter-Lab	14.2967, 25.2529, 3.2742

Details

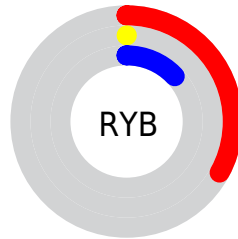
The YIQ color **29.1770, 40.0670, 28.2830** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **55.8230, -40.0670, -28.2830**, and the grayscale version is **29.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **83.2110, 42.7270, 24.1270**, and **9.9810, 19.3470, 7.3070** is the 20% darker color. If you saturate the color by 10%, you get **29.1770, 40.0670, 28.2830**, and if you desaturate by 10%, it is **35.0300, 35.9870, 25.1310**.

Distribution



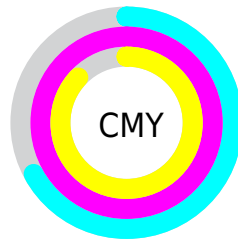
- Red (33%)
- Green (0%)
- Blue (13%)



- Red (33%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (61%)
- Black (67%)





- Cyan (67%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 29.1770, 40.0670, 28.2830 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 29.1770, 40.0670, 28.2830 by changing the saturation by 10% instead.


 29.1770, 40.0670,
28.2830


 29.1770, 40.0670,
28.2830

 248.5430, 3.0250,
5.7530


 18.7810, 31.9540,
15.6180


 83.2110, 42.7270,
24.1270


 9.9810, 19.3470,
7.3070

 108.9940, 44.8360,
24.4520

 0.0000, 0.0000,
0.0000


 135.1900, 47.2200,
25.3000


 162.5600, 49.0540,
25.1020


 190.4570, 50.8420,
25.7380


 209.4980, 34.4290,


20.3250


 229.1260, 17.7410,
14.3890


 29.1770, 40.0670,
28.2830

 35.0300, 35.9870,
25.1310

 40.2960, 32.1820,
22.5020

 46.2630, 27.7810,
19.6610

 51.5290, 23.9760,
17.0320

 57.3820, 19.8960,
13.8800

■ 62.6480, 16.0910,
11.2510

■ 68.5010, 12.0110,
8.0990

■ 73.8810, 7.8850,
5.7810

■ 79.7340, 3.8050,
2.6290

Harmonies

Analogous

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



34.8470, 23.5610, 30.0650



29.1770, 40.0670, 28.2830



32.2520, 43.5090, 9.9490

Triad

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



29.1770, 40.0670, 28.2830



31.1880, -4.3060, -21.0900



37.8490, -41.8150, 3.4090

Complementary

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



29.1770, 40.0670, 28.2830



55.8230, -40.0670, -28.2830

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.



37.5580, -36.8620, -3.7580



29.1770, 40.0670, 28.2830



30.8150, -19.2530, -20.0290

Square

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



29.1770, 40.0670, 28.2830



36.3370, 14.6280, -11.8040



34.5940, -28.5160, -11.8440



34.0820, -40.8530, 8.0030

Rectangle

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



29.1770, 40.0670, 28.2830



35.9040, 35.4410, 1.9770



34.5940, -28.5160, -11.8440



38.4530, -40.7600, 0.8080

Sweetspot

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



29.1770, 40.0670, 28.2830



88.3490, 15.4950, 11.0390



24.9390, 3.1110, 37.2470



42.8920, 9.3520, 6.7280



184.0000, 0.0000, -0.0000



56.0000, -0.0000, 0.0000

Same Dimension

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



29.1770, 40.0670, 28.2830



37.7920, 51.7570, 36.6930



30.6980, 48.1850, 13.3130



40.4240, 1.7420, 1.4700



36.7810, 50.2900, 35.7460



80.6390, 110.8490, 78.1210

Inverse Universe

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



29.1770, 40.0670, 28.2830



37.7920, 51.7570, 36.6930



54.8890, -48.4600, -13.8360



40.4240, 1.7420, 1.4700



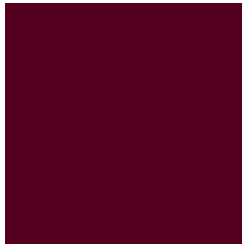
36.7810, 50.2900, 35.7460



80.6390, 110.8490, 78.1210

Previews

White Background



This preview shows how the YIQ color 29.1770, 40.0670, 28.2830 looks on a white background.

Color Contrast Check

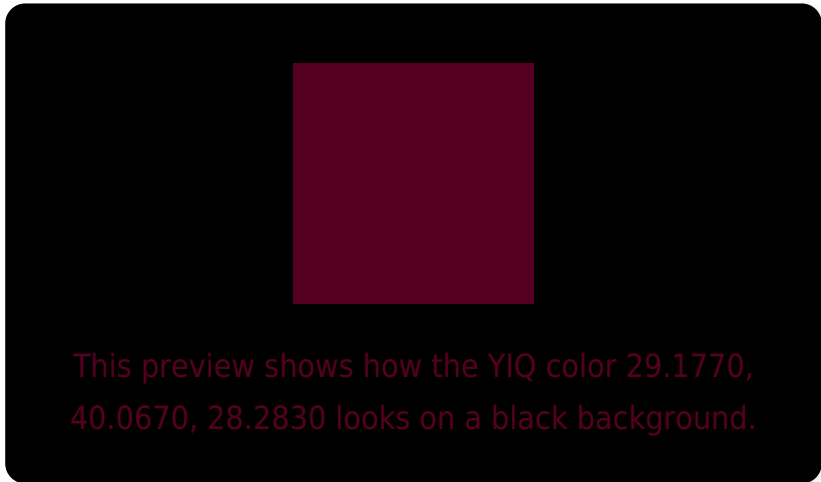
Large Text (above 18pt) WCAG AA ✓ Pass

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

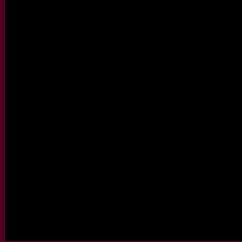
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 29.1770, 40.0670, 28.2830

Background



This preview shows how black text looks on a background with the YIQ color 29.1770, 40.0670, 28.2830.



This preview shows how white text looks on a background with the YIQ color 29.1770, 40.0670,

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

29.1770, 40.0670, 28.2830

Protanopia

43.5700, -1.6050, 1.5550

Deuteranopia

43.5080, 10.1330, -1.9230



Tritanopia

34.1150, 42.6370, 14.7410

Trichromacy



Original Color

29.1770, 40.0670, 28.2830

Protanomaly

38.0930, 13.3400, 11.5480

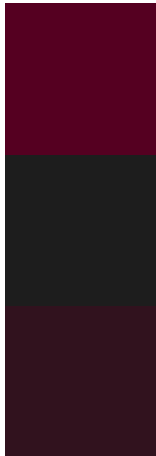
Deuteranomaly

38.4050, 21.0890, 8.7770

Tritanomaly

32.0920, 41.4440, 19.8440

Monochromacy



Original Color

29.1770, 40.0670, 28.2830

Achromatopsia

29.0000, -0.0000, 0.0000

Achromatomaly

28.6370, 14.6240, 10.3040

CSS Examples

Text

The CSS property to change the color of the text to YIQ 29.1770, 40.0670, 28.2830 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(85, 0, 33)` looks like.

```
.text, #text, p{  
    color:rgb(85, 0, 33)  
}
```

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(85, 0, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 0, 33) }
```

Border

The CSS property to change the border of an element to YIQ 29.1770, 40.0670, 28.2830 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(85, 0, 33) }
```


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

```
.border{ border-color:rgb(85, 0, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 0, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 0, 33); -webkit-box-shadow:4px  
4px 4px 4px rgb(85, 0, 33); box-shadow:4px  
4px 4px 4px rgb(85, 0, 33) }
```

Background

The CSS property to change the background color of an element to YIQ 29.1770, 40.0670, 28.2830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 0, 33) }
```

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

```
.background{ background-color: rgb(85, 0,  
33) }
```

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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