

Converting Colors

YIQ(29.8890, 40.9380, 29.0180)

Have a look what the booklet for
YIQ(29.8890, 40.9380, 29.0180)
contains.

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Color

**YIQ(29.8890, 40.9380,
29.0180)**

Conversions

Conversions Part 1

Format	Color
Hex	570022
RGB	87, 0, 34
RGB Percent	34%, 0%, 13%
CMY	0.6586, 1.0000, 0.8665
CMYK	0.00, 1.00, 0.61, 0.66
HSL	337°, 100%, 17%
HSV	337°, 100%, 34%
XYZ	4.2251, 2.1447, 1.7073
YIQ	29.8890, 40.9380, 29.0180

Conversions

Conversions Part 2

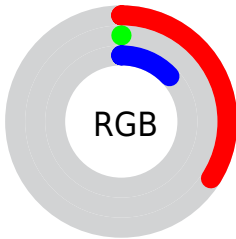
Format	Color
RYB	87, 0, 34
Decimal	5701666
CIELab	16.23, 38.20, 5.51
CIElCh	16, 38.598, 8.206
Yxy	2.1447, 0.5231, 0.2655
Android (android.graphics.Color)	4283891746 (0xFF570022)
YUV	29.8890, 2.0267, 50.0863
Hunter-Lab	14.6449, 25.8698, 3.3395

Details

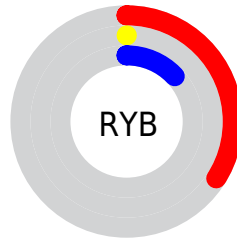
The YIQ color **29.8890, 40.9380, 29.0180** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **57.1110, -40.9380, -29.0180**, and the grayscale version is **30.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **83.9230, 43.5980, 24.8620**, and **10.8780, 21.1350, 7.9430** is the 20% darker color. If you saturate the color by 10%, you get **29.8890, 40.9380, 29.0180**, and if you desaturate by 10%, it is **35.7420, 36.8580, 25.8660**.

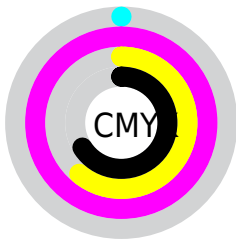
Distribution



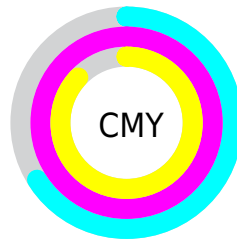
- Red (34%)
- Green (0%)
- Blue (13%)



- Red (34%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (61%)
- Black (66%)





- Cyan (66%)
- Magenta (100%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 29.8890, 40.9380, 29.0180 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 29.8890, 40.9380, 29.0180 by changing the saturation by 10% instead.


 29.8890, 40.9380,
29.0180


 29.8890, 40.9380,
29.0180


 249.1300, 2.7500,
5.2300


 19.4930, 32.8250,
16.3530


 84.2220, 44.1940,
25.0740


 10.8780, 21.1350,
7.9430

 110.5920, 46.0280,
24.8760

 0.0000, 0.0000,
0.0000

 136.4890, 47.8160,
25.5120

 164.2720, 49.9250,
25.8370

 190.5710, 50.5210,
26.0490

 210.1990, 33.8330,

20.1130

■ 229.8270, 17.1450,
14.1770

■ 29.8890, 40.9380,
29.0180

■ 35.7420, 36.8580,
25.8660

■ 41.1220, 32.7320,
23.5480

■ 46.9750, 28.6520,
20.3960

■ 52.8280, 24.5720,
17.2440

■ 58.7950, 20.1710,
14.4030

■ 64.0610, 16.3660,
11.7740

■ 69.9140, 12.2860,
8.6220

■ 75.7670, 8.2060,
5.4700

■ 81.1470, 4.0800,
3.1520

Harmonies

Analogous

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



35.5590, 24.4320, 30.8000



29.8890, 40.9380, 29.0180



33.5510, 44.1050, 10.1610

Triad

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



29.8890, 40.9380, 29.0180



32.3620, -4.8560, -22.1360



39.2510, -43.0070, 2.9850

Complementary

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



29.8890, 40.9380, 29.0180



57.1110, -40.9380, -29.0180

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.



38.3730, -37.7790, -3.6590



29.8890, 40.9380, 29.0180



31.9890, -19.8030, -21.0750

Square

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



29.8890, 40.9380, 29.0180



37.8100, 14.6740, -12.6380



35.8820, -29.3870, -12.5790



35.4840, -42.0450, 7.5790

Rectangle

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



29.8890, 40.9380, 29.0180



37.0890, 36.3580, 1.8780



35.8820, -29.3870, -12.5790



39.2680, -41.6770, 0.9070

Sweetspot

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



29.8890, 40.9380, 29.0180



90.3490, 15.4950, 11.0390



25.4660, 3.0650, 38.0810



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.



29.8890, 40.9380, 29.0180



38.5040, 52.6280, 37.4280



31.2960, 49.3770, 13.7370



40.4240, 1.7420, 1.4700



36.7810, 50.2900, 35.7460



80.7530, 110.5280, 78.4320

Inverse Universe

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



29.8890, 40.9380, 29.0180



38.5040, 52.6280, 37.4280



55.7040, -49.3770, -13.7370



40.4240, 1.7420, 1.4700



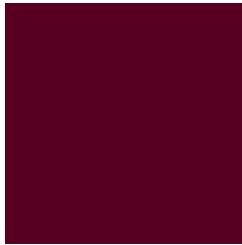
36.7810, 50.2900, 35.7460



80.7530, 110.5280, 78.4320

Previews

White Background



This preview shows how the YIQ color 29.8890, 40.9380, 29.0180 looks on a white background.

Color Contrast Check

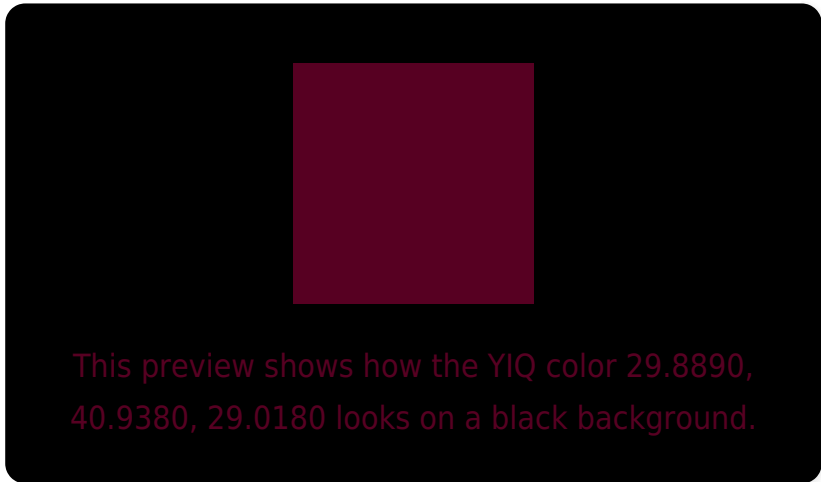
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8890, 40.9380, 29.0180

Background



This preview shows how black text looks on a background with the YIQ color 29.8890, 40.9380, 29.0180.



This preview shows how white text looks on a background with the YIQ color 29.8890, 40.9380,

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

29.8890, 40.9380, 29.0180

Protanopia

44.6840, -1.9260, 1.8660

Deuteranopia

44.5080, 10.1330, -1.9230



Tritanopia

35.4140, 43.2330, 14.9530

Trichromacy



Original Color

29.8890, 40.9380, 29.0180

Protanomaly

39.3920, 13.9360, 11.7600

Deuteranomaly

38.8180, 21.3640, 9.3000

Tritanomaly

33.3910, 42.0400, 20.0560

Monochromacy



Original Color

29.8890, 40.9380, 29.0180

Achromatopsia

30.0000, -0.0000, -0.0000

Achromatomaly

29.9360, 15.2200, 10.5160

CSS Examples

Text

The CSS property to change the color of the text to YIQ 29.8890, 40.9380, 29.0180 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(87, 0, 34)` looks like.

```
.text, #text, p{  
    color:rgb(87, 0, 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(87, 0, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 0, 34) }
```

Border

The CSS property to change the border of an element to YIQ 29.8890, 40.9380, 29.0180 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(87, 0, 34) }
```


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

```
.border{ border-color:rgb(87, 0, 34) }
```

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

Here you see how a box with a 4 pixel rgb(87, 0, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 0, 34); -webkit-box-shadow:4px  
4px 4px 4px rgb(87, 0, 34); box-shadow:4px  
4px 4px 4px rgb(87, 0, 34) }
```

Background

The CSS property to change the background color of an element to YIQ 29.8890, 40.9380, 29.0180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 0, 34) }
```

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

```
.background{ background-color: rgb(87, 0,  
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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