

Converting Colors

YIQ(45.5700, -29.1090,
-28.6370)

Have a look what the booklet for
YIQ(45.5700, -29.1090, -28.6370)
contains.

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Color

**YIQ(45.5700, -29.1090,
-28.6370)**

Conversions

Conversions Part 1

Format	Color
Hex	00481D
RGB	0, 72, 29
RGB Percent	0%, 28%, 11%
CMY	1.0000, 0.7175, 0.8864
CMYK	1.00, 0.00, 0.60, 0.72
HSL	144°, 100%, 14%
HSV	144°, 100%, 28%
XYZ	2.5408, 4.7272, 1.9396
YIQ	45.5700, -29.1090, -28.6370

Conversions

Conversions Part 2

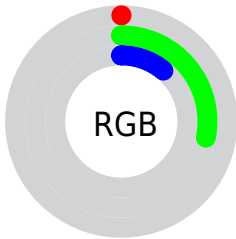
Format	Color
RYB	0, 51, 72
Decimal	18461
CIELab	25.94, -31.29, 20.08
CIELCh	26, 37.177, 147.304
Yxy	4.7272, 0.2759, 0.5134
Android (android.graphics.Color)	4278208541 (0xFF00481D)
YUV	45.5700, -8.1690, -39.9649
Hunter-Lab	21.7422, -17.1891, 9.9304

Details

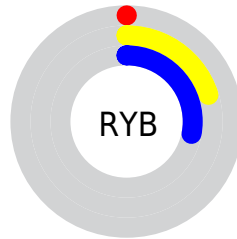
The YIQ color **45.5700, -29.1090, -28.6370** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **26.4300, 29.1090, 28.6370**, and the grayscale version is **46.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **97.1040, -21.8650, -27.7610**, and **17.0230, -7.9750, -15.1670** is the 20% darker color. If you saturate the color by 10%, you get **45.5700, -29.1090, -28.6370**, and if you desaturate by 10%, it is **48.1190, -26.2210, -25.9090**.

Distribution



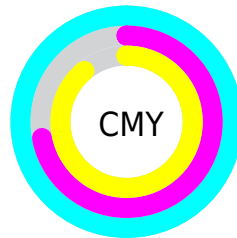
- Red (0%)
- Green (28%)
- Blue (11%)



- Red (0%)
- Yellow (20%)
- Blue (28%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (72%)



- Cyan (100%)
- Magenta (72%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 45.5700, -29.1090, -28.6370 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 45.5700, -29.1090, -28.6370 by changing the saturation by 10% instead.

■ 45.5700, -29.1090,
-28.6370

■ 45.5700, -29.1090,
-28.6370

■ 253.5050, -2.9800,
-1.0600

■ 29.4470, -15.4010,
-23.7610

■ 97.1040, -21.8650,
-27.7610

■ 17.0230, -7.9750,
-15.1670

■ 123.4630,
-21.4980, -28.9060

■ 0.0000, 0.0000,
0.0000


■ 149.3490,
-21.1770, -29.2170


■ 176.8220,
-21.1310, -30.0510


■ 204.4090,
-21.4060, -30.5740


■ 230.5340,


-20.2600, -29.3160


 242.2120,
-12.8810, -14.3610


 45.5700, -29.1090,
-28.6370

 48.1190, -26.2210,
-25.9090

 50.7820, -23.6540,
-22.8700

 53.6300, -20.1700,
-19.9300

 56.1790, -17.2820,
-17.2020

 58.8420, -14.7150,
-14.1630

■ 61.3910, -11.8270,
-11.4350

■ 63.9400, -8.9390,
-8.7070

■ 66.7880, -5.4550,
-5.7670

■ 69.4510, -2.8880,
-2.7280

Harmonies

Analogous

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



54.6210, 10.4120, -23.5080



45.5700, -29.1090, -28.6370



50.0500, -38.9680, -20.6640

Triad

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



45.5700, -29.1090, -28.6370



52.1940, -56.0280, 2.1800



58.2400, 43.7830, 15.9990

Complementary

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



45.5700, -29.1090, -28.6370



26.4300, 29.1090, 28.6370

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.



59.0840, 35.8950, 26.7990



45.5700, -29.1090, -28.6370



61.4980, -18.2970, 17.7270

Square

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



45.5700, -29.1090, -28.6370



54.6900, -54.7890, -3.7570



62.9490, 14.3460, 26.3620



58.8460, 41.3560, -0.5960

Rectangle

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



45.5700, -29.1090, -28.6370



52.2160, -45.0670, -14.7550



62.9490, 14.3460, 26.3620



58.1030, 42.9110, 20.7910

Sweetspot

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



45.5700, -29.1090, -28.6370



83.6900, -11.2310, -11.2230



55.1210, 5.8280, -28.5400



41.7770, -6.9220, -6.7140



176.0000, -0.0000, -0.0000



48.0000, -0.0000, 0.0000

Same Dimension

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



45.5700, -29.1090, -28.6370



59.5100, -38.0480, -37.3440



49.6740, -40.6650, -17.4410



34.5760, -1.7420, -1.4700



62.6730, -40.0650, -39.3370



143.6230, -91.6360, -90.4200

Inverse Universe

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



26.4300, 29.1090, 28.6370



34.4900, 38.0480, 37.3440



22.3260, 40.6650, 17.4410



33.4240, 1.7420, 1.4700



36.3270, 40.0650, 39.3370



83.3770, 91.6360, 90.4200

Previews

White Background



This preview shows how the YIQ color 45.5700, -29.1090, -28.6370 looks on a white background.

Color Contrast Check

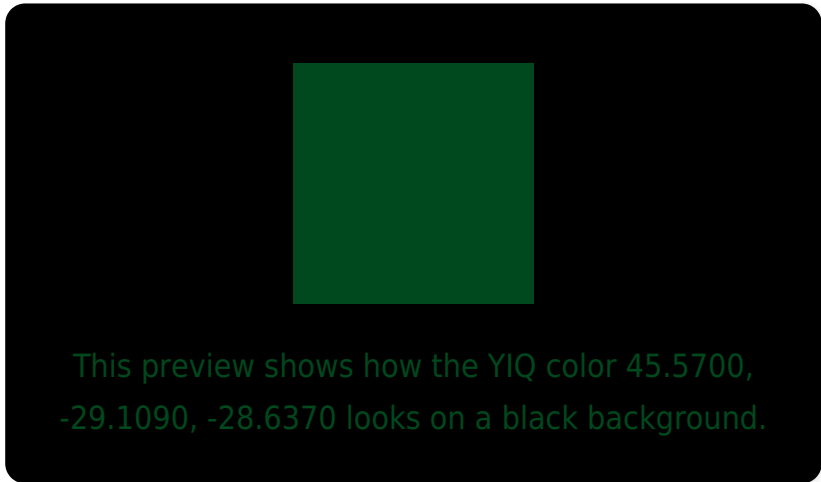
Large Text (above 18pt) WCAG AA ✓ Pass

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

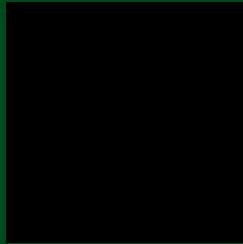
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 45.5700, -29.1090, -28.6370

Background



This preview shows how black text looks on a background with the YIQ color 45.5700, -29.1090, -28.6370.



This preview shows how white text looks on a background with the YIQ color 45.5700, -29.1090,

-28.6370.

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

45.5700, -29.1090, -28.6370

Protanopia

59.9890, 15.7280, -9.7120

Deuteranopia

61.1190, 18.4780, -4.4820



Tritanopia

56.9090, -24.8490, -6.7130

Trichromacy



Original Color

45.5700, -29.1090, -28.6370

Protanomaly

54.9760, -0.5930, -16.7930

Deuteranomaly

55.5680, 0.7360, -13.3440

Tritanomaly

52.3830, -26.5440, -14.5440

Monochromacy



Original Color

45.5700, -29.1090, -28.6370

Achromatopsia

46.0000, 0.0000, -0.0000

Achromatomaly

45.5160, -10.6810, -10.1770

CSS Examples

Text

The CSS property to change the color of the text to YIQ 45.5700, -29.1090, -28.6370 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(0, 72, 29)` looks like.

```
.text, #text, p{  
    color:rgb(0, 72, 29)  
}
```

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(0, 72, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 72, 29) }
```

Border

The CSS property to change the border of an element to YIQ 45.5700, -29.1090, -28.6370 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(0, 72, 29) }
```


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

```
.border{ border-color:rgb(0, 72, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 72, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 72, 29); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 72, 29); box-shadow:4px  
4px 4px 4px rgb(0, 72, 29) }
```

Background

The CSS property to change the background color of an element to YIQ 45.5700, -29.1090, -28.6370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 72, 29) }
```

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

```
.background{ background-color: rgb(0, 72,  
29) }
```

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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