

Converting Colors

YIQ(71.8590, -29.4390, 21.4170)

Have a look what the booklet for
YIQ(71.8590, -29.4390, 21.4170)
contains.

YIQ(71.8590, -29.4390, 21.4170)	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>	31

Color

**YIQ(71.8590, -29.4390,
21.4170)**

Conversions

Conversions Part 1

Format	Color
Hex	39428D
RGB	57, 66, 141
RGB Percent	22%, 26%, 55%
CMY	0.7764, 0.7412, 0.4472
CMYK	0.60, 0.53, 0.00, 0.45
HSL	234°, 42%, 39%
HSV	234°, 60%, 55%
XYZ	8.4406, 6.6887, 26.0281
YIQ	71.8590, -29.4390, 21.4170

Conversions

Conversions Part 2

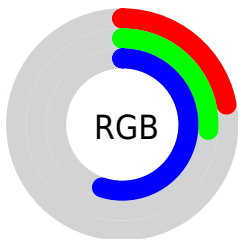
Format	Color
RYB	57, 65, 141
Decimal	3752589
CIELab	31.09, 20.11, -42.94
CIElCh	31, 47.415, 295.096
Yxy	6.6887, 0.2051, 0.1625
Android (android.graphics.Color)	4281942669 (0xFF39428D)
YUV	71.8590, 34.0865, -13.0313
Hunter-Lab	25.8625, 12.9963, -41.5658

Details

The YIQ color $71.8590, -29.4390, 21.4170$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $126.1410, 29.4390, -21.4170$, and the grayscale version is $72.0000, -0.0000, 0.0000$.

A 20% lighter version of the original color is $122.6360, -27.1930, 24.7670$, and $24.3480, -35.4900, 15.4380$ is the 20% darker color. If you saturate the color by 10%, you get $60.0420, -34.2080, 25.2480$, and if you desaturate by 10%, it is $83.6760, -24.6700, 17.5860$.

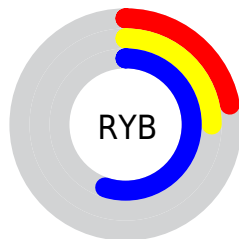
Distribution



Red (22%)

Green (26%)

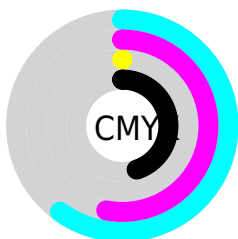
Blue (55%)



Red (22%)

Yellow (25%)

Blue (55%)

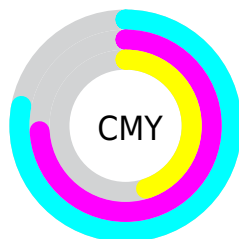


Cyan (60%)

Magenta (53%)

Yellow (0%)

Black (45%)



Cyan (78%)

Magenta (74%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 71.8590, -29.4390, 21.4170 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 71.8590, -29.4390, 21.4170 by changing the saturation by 10% instead.

■ 71.8590, -29.4390,
21.4170

■ 71.8590, -29.4390,
21.4170

■ 255.0000, -0.0000,
-0.0000

■ 46.7120, -33.5190,
18.2650

■ 122.6360,
-27.1930, 24.7670

■ 24.3480, -35.4900,
15.4380

■ 148.5760,
-26.9640, 26.1240

■ 7.5240, -21.1860,
20.5260

■ 175.5160,
-26.7350, 27.4810

■ 6.6630, -14.6280,
11.8040

■ 200.6660,
-18.7100, 19.7060

■ 2.9810, -7.0160,
6.0080

■ 225.1860, -8.8510,
11.7330

■ 0.0000, 0.0000,
0.0000

■ 250.8800, 0.4580,

2.7140

■ 71.8590, -29.4390,
21.4170

■ 71.8590, -29.4390,
21.4170

■ 60.0420, -34.2080,
25.2480

■ 83.6760, -24.6700,
17.5860

■ 48.8120, -39.2520,
28.5560

■ 94.9060, -19.6260,
14.2780

■ 36.9950, -44.0210,
32.3870

■ 106.7230,
-14.8570, 10.4470

■ 25.7650, -49.0650,
35.6950

■ 117.9530, -9.8130,
7.1390

■ 24.8790, -49.3860,
36.0060

■ 129.7700, -5.0440,
3.3080

■ 141.8860, 0.3210,
-0.3110

■ 153.1160, 5.3650,
-3.6190

■ 164.9330, 10.1340,
-7.4500

■ 176.1630, 15.1780,
-10.7580

Harmonies

Analogous

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



63.8320, -69.5080, 4.1880



71.8590, -29.4390, 21.4170



74.0020, 15.9950, 35.0270

Triad

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



71.8590, -29.4390, 21.4170



68.2020, 54.9730, 0.4210



59.7670, -45.6610, -26.0210

Complementary

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



71.8590, -29.4390, 21.4170



126.1410, 29.4390, -21.4170

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.



53.5600, -32.3170, -36.5810



71.8590, -29.4390, 21.4170



68.9080, 37.6450, -15.9470

Square

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



71.8590, -29.4390, 21.4170



66.2250, 57.3070, 24.2110



64.6010, 13.1640, -29.3320



64.6860, -58.1340, -14.7260

Rectangle

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



71.8590, -29.4390, 21.4170



69.7180, 37.4060, 37.9660



64.6010, 13.1640, -29.3320



57.6980, -41.2130, -29.5410

Sweetspot

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



71.8590, -29.4390, 21.4170



156.5230, -11.4180, 8.6940



114.7440, -46.8540, -20.9180



75.4540, -6.9700, 5.1740



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000

Same Dimension

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



71.8590, -29.4390, 21.4170



76.1520, -45.9010, 33.4190



76.1440, -7.8920, 32.9080



65.3850, -2.5220, 1.6540



23.6080, -47.1850, 34.6630



1.4990, -2.8430, 1.9650

Inverse Universe

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



83.1420, 47.1750, 20.6070



93.7650, 73.5820, 32.1260



121.8560, 7.8920, -32.9080



66.2070, 3.8510, 1.7950



41.9610, 75.9660, 32.9740



2.5060, 4.4470, 2.0070

Previews

White Background



This preview shows how the YIQ color 71.8590, -29.4390, 21.4170 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



This preview shows how the YIQ color 71.8590, -29.4390, 21.4170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

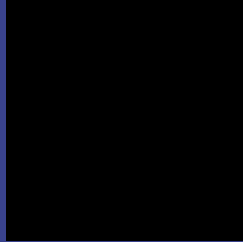
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 71.8590, -29.4390, 21.4170

Background



This preview shows how black text looks on a background with the YIQ color 71.8590, -29.4390, 21.4170.



This preview shows how white text looks on a background with the YIQ color 71.8590, -29.4390,

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

71.8590, -29.4390, 21.4170

Protanopia

65.1980, -52.6830, 13.1490

Deuteranopia

58.9590, -62.6760, 1.5160



Tritanopia

66.6310, -29.9380, -8.0980

Trichromacy



Original Color

71.8590, -29.4390, 21.4170

Protanomaly

67.3840, -44.3390, 16.1170

Deuteranomaly

63.9330, -50.6190, 8.7810

Tritanomaly

68.6670, -29.6190, 2.6450

Monochromacy



Original Color

71.8590, -29.4390, 21.4170

Achromatopsia

72.0000, -0.0000, 0.0000

Achromatomaly

72.1810, -10.4550, 7.7610

CSS Examples

Text

The CSS property to change the color of the text to YIQ 71.8590, -29.4390, 21.4170 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(57, 66, 141)` looks like.

```
.text, #text, p{  
    color:rgb(57, 66, 141)  
}
```

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(57, 66, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 66, 141) }
```

Border

The CSS property to change the border of an element to YIQ 71.8590, -29.4390, 21.4170 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(57, 66, 141) }
```


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

```
.border{ border-color:rgb(57, 66, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 66, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 66, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 66, 141);  
box-shadow:4px 4px 4px 4px rgb(57, 66,  
141) }
```

Background

The CSS property to change the background color of an element to YIQ 71.8590, -29.4390, 21.4170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 66, 141) }
```

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

```
.background{ background-color: rgb(57, 66,  
141) }
```

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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