

Converting Colors

YIQ(70.0270, -28.7110, 52.2890)

Have a look what the booklet for
YIQ(70.0270, -28.7110, 52.2890)
contains.

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Color

**YIQ(70.0270, -28.7110,
52.2890)**

Conversions

Conversions Part 1

Format	Color
Hex	4B2CBF
RGB	75, 44, 191
RGB Percent	29%, 17%, 75%
CMY	0.7057, 0.8275, 0.2512
CMYK	0.61, 0.77, 0.00, 0.25
HSL	253°, 63%, 46%
HSV	253°, 77%, 75%
XYZ	13.2027, 7.0570, 49.9230
YIQ	70.0270, -28.7110, 52.2890

Conversions

Conversions Part 2

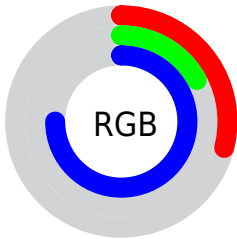
Format	Color
R _Y B	75, 44, 191
Decimal	4926655
CIE Lab	31.94, 52.33, -71.57
CIE LCh	32, 88.660, 306.170
Yxy	7.0570, 0.1881, 0.1006
Android (android.graphics.Color)	4283116735 (0xFF4B2CBF)
YUV	70.0270, 59.6397, 4.3613
Hunter-Lab	26.5650, 42.2251, -92.8266

Details

The YIQ color **70.0270, -28.7110, 52.2890** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **164.9730, 28.7110, -52.2890**, and the grayscale version is **69.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **124.5270, -24.1270, 57.3210**, and **15.5040, -43.6560, 42.2960** is the 20% darker color. If you saturate the color by 10%, you get **54.3890, -32.4260, 59.0460**, and if you desaturate by 10%, it is **85.6650, -24.9960, 45.5320**.

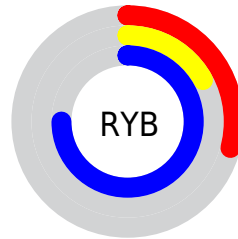
Distribution



Red (29%)

Green (17%)

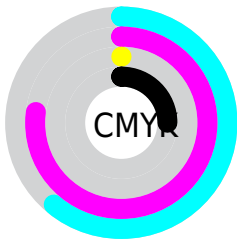
Blue (75%)



Red (29%)

Yellow (17%)

Blue (75%)

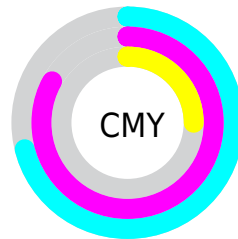


Cyan (61%)

Magenta (77%)

Yellow (0%)

Black (25%)



Cyan (71%)

Magenta (83%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 70.0270, -28.7110, 52.2890 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 70.0270, -28.7110, 52.2890 by changing the saturation by 10% instead.

■ 70.0270, -28.7110,
52.2890

■ 70.0270, -28.7110,
52.2890

■ 255.0000, -0.0000,
-0.0000

■ 40.5100, -34.6250,
49.3350

■ 124.5270,
-24.1270, 57.3210

■ 15.5040, -43.6560,
42.2960

■ 149.1440,
-15.9190, 51.7370

■ 12.5400, -35.3100,
34.2100

■ 173.3760, -5.1890,
44.4990

■ 9.5760, -26.9640,
26.1240

■ 198.1950, 5.2660,
36.7380

■ 10.3620, -20.9100,
15.5220

■ 223.3020, 14.8500,
28.2420

■ 5.3920, -12.4270,
10.4610

■ 240.3250, 6.8750,

■ 2.1830, -4.7690,

13.0750

3.8310

■ 0.0000, 0.0000,
0.0000

■ 70.0270, -28.7110,
52.2890

■ 70.0270, -28.7110,
52.2890

■ 54.3890, -32.4260,
59.0460

■ 85.6650, -24.9960,
45.5320

■ 38.7510, -36.1410,
65.8030

■ 101.3030,
-21.2810, 38.7750

■ 33.7340, -37.4710,
67.8810

■ 116.9410,
-17.5660, 32.0180

■ 132.5790,
-13.8510, 25.2610

■ 148.2170,
-10.1360, 18.5040

■ 164.4420, -6.6960,
11.2240

■ 180.0800, -2.9810,
4.4670

■ 196.0170, 1.3300,
-2.0780

■ 211.6550, 5.0450,
-8.8350

Harmonies

Analogous

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



73.6870, -93.1240, 24.7000



70.0270, -28.7110, 52.2890



63.8990, 54.4550, 75.9190

Triad

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



70.0270, -28.7110, 52.2890



67.3670, 67.8100, 4.5620



68.2590, -55.7940, -24.0980

Complementary

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



70.0270, -28.7110, 52.2890



164.9730, 28.7110, -52.2890

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.



57.3950, -27.9590, -49.4870



70.0270, -28.7110, 52.2890



69.7060, 26.2300, -23.8340

Square

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



70.0270, -28.7110, 52.2890



52.0260, 103.7040, 36.8880



53.4170, -25.0250, -47.5930



76.7120, -78.2180, -3.1620

Rectangle

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



70.0270, -28.7110, 52.2890



65.0480, 81.4160, 66.3760



53.4170, -25.0250, -47.5930



64.8220, -47.4940, -31.3500

Sweetspot

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



70.0270, -28.7110, 52.2890



200.0860, -11.1450, 20.2710



130.0240, -79.6370, -15.9970



96.0830, -7.0630, 12.3690



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000

Same Dimension

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



70.0270, -28.7110, 52.2890



60.2300, -44.2590, 80.7730



91.5550, 14.2010, 67.5530



86.6240, -1.6970, 3.2230



27.8790, -31.0500, 56.1340



5.3280, -6.3750, 10.9130

Inverse Universe

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



101.1770, 50.3760, 67.2400



108.2790, 77.8330, 103.7930



143.4450, -14.2010, -67.5530



88.4890, 3.1170, 4.0850



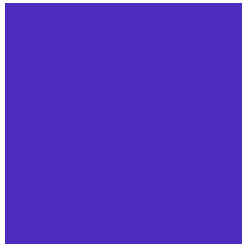
61.4920, 54.0430, 72.3710



12.0050, 10.7720, 14.0360

Previews

White Background



This preview shows how the YIQ color 70.0270, -28.7110, 52.2890 looks on a white background.

Color Contrast Check

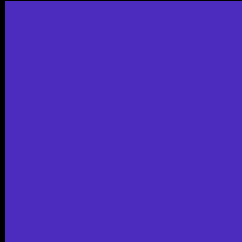
Large Text (above 18pt) WCAG AA ✓ Pass

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 70.0270, -28.7110, 52.2890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

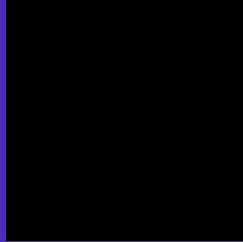
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 70.0270, -28.7110, 52.2890

Background



This preview shows how black text looks on a background with the YIQ color 70.0270, -28.7110, 52.2890.



This preview shows how white text looks on a background with the YIQ color 70.0270, -28.7110,

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

70.0270, -28.7110, 52.2890

Protanopia

60.2930, -69.1880, 9.4040

Deuteranopia

60.1330, -63.2260, 0.4700



Tritanopia

65.7440, -37.6860, -10.8540

Trichromacy



Original Color

70.0270, -28.7110, 52.2890

Protanomaly

63.5050, -54.5650, 25.2350

Deuteranomaly

63.6700, -50.8960, 19.3120

Tritanomaly

67.4250, -34.3890, 12.0030

Monochromacy



Original Color

70.0270, -28.7110, 52.2890

Achromatopsia

70.0000, 0.0000, 0.0000

Achromatomaly

70.3310, -10.4570, 18.8150

CSS Examples

Text

The CSS property to change the color of the text to YIQ 70.0270, -28.7110, 52.2890 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(75, 44, 191)` looks like.

```
.text, #text, p{  
    color:rgb(75, 44, 191)  
}
```

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(75, 44, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 44, 191) }
```

Border

The CSS property to change the border of an element to YIQ 70.0270, -28.7110, 52.2890 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(75, 44, 191) }
```


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

```
.border{ border-color:rgb(75, 44, 191) }
```

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

Here you see how a box with a 4 pixel rgb(75, 44, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 44, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 44, 191);  
box-shadow:4px 4px 4px 4px rgb(75, 44,  
191) }
```

Background

The CSS property to change the background color of an element to YIQ 70.0270, -28.7110, 52.2890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 44, 191) }
```

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

```
.background{ background-color: rgb(75, 44,  
191) }
```

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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