

# Converting Colors

YIQ(70.3910, -18.7130, 36.2870)

Have a look what the booklet for  
YIQ(70.3910, -18.7130, 36.2870)  
contains.

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# Color

**YIQ(70.3910, -18.7130,  
36.2870)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4B3499
RGB	75, 52, 153
RGB Percent	29%, 20%, 60%
CMY	0.7058, 0.7961, 0.4002
CMYK	0.51, 0.66, 0.00, 0.40
HSL	254°, 49%, 40%
HSV	254°, 66%, 60%
XYZ	9.8781, 6.2508, 30.8061
YIQ	70.3910, -18.7130, 36.2870

# Conversions

## Conversions Part 2

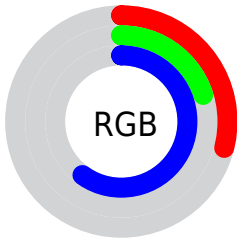
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	75, 52, 153
Decimal	4928665
CIE Lab	30.04, 36.65, -51.92
CIE LCh	30, 63.553, 305.213
Yxy	6.2508, 0.2105, 0.1332
Android (android.graphics.Color)	4283118745 (0xFF4B3499)
YUV	70.3910, 40.7262, 4.0421
Hunter-Lab	25.0017, 26.7722, -55.5536

# Details

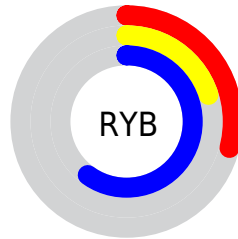
The YIQ color **70.3910, -18.7130, 36.2870** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **134.6090, 18.7130, -36.2870**, and the grayscale version is **70.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **121.2820, -16.7880, 39.9480**, and **18.0150, -29.5780, 29.4460** is the 20% darker color. If you saturate the color by 10%, you get **57.9980, -21.7400, 41.5880**, and if you desaturate by 10%, it is **82.7840, -15.6860, 30.9860**.

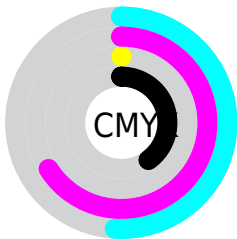
# Distribution



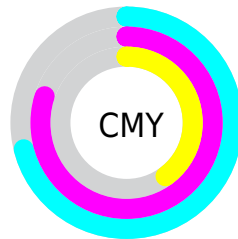
- Red (29%)
- Green (20%)
- Blue (60%)



- Red (29%)
- Yellow (20%)
- Blue (60%)



- Cyan (51%)
- Magenta (66%)
- Yellow (0%)
- Black (40%)



- Cyan (71%)
- Magenta (80%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 70.3910, -18.7130, 36.2870 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 70.3910, -18.7130, 36.2870 by changing the saturation by 10% instead.



70.3910, -18.7130,  
36.2870

70.3910, -18.7130,  
36.2870

255.0000, -0.0000,  
-0.0000

45.1410, -21.0050,  
33.7710

121.2820,  
-16.7880, 39.9480

18.0150, -29.5780,  
29.4460

147.6350,  
-16.2840, 41.8280

8.6640, -24.3960,  
23.6360

174.2070,  
-12.2030, 39.4530

8.8630, -18.0670,  
13.5570

198.7270, -2.3440,  
31.4800

4.5940, -10.1800,  
8.2840

223.2470, 7.5150,  
23.5070

0.1140, -0.3210,  
0.3110

243.2600, 5.5000,

0.0000, 0.0000,

10.4600

0.0000

■ 70.3910, -18.7130,  
36.2870

■ 70.3910, -18.7130,  
36.2870

■ 57.9980, -21.7400,  
41.5880

■ 82.7840, -15.6860,  
30.9860

■ 45.0180, -24.4920,  
47.4120

■ 95.7640, -12.9340,  
25.1620

■ 32.9240, -26.9230,  
52.9250

■ 107.8580,  
-10.5030, 19.6490

■ 27.9070, -28.2530,  
55.0030

■ 120.2510, -7.4760,  
14.3480

■ 132.6440, -4.4490,  
9.0470

■ 145.6240, -1.6970,  
3.2230

■ 158.0170, 1.3300,  
-2.0780

■ 170.1110, 3.7610,  
-7.5910

■ 183.0910, 6.5130,  
-13.4150

# Harmonies

## Analogous

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



63.5190, -75.5160, 13.9560



70.3910, -18.7130, 36.2870



53.5350, 43.3160, 63.0280

# Triad

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



70.3910, -18.7130, 36.2870



65.5180, 56.8990, -1.4450



61.7220, -49.7880, -22.8120

# Complementary

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



70.3910, -18.7130, 36.2870



134.6090, 18.7130, -36.2870

# 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.



54.5060, -32.2250, -38.2490



70.3910, -18.7130, 36.2870



66.1840, 27.8800, -20.6960

# Square

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



70.3910, -18.7130, 36.2870



49.2880, 79.3590, 32.0550



55.2990, -9.7130, -38.7450



67.3080, -65.5170, -7.5730



# Rectangle

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



70.3910, -18.7130, 36.2870



54.0840, 63.3990, 56.9910



55.2990, -9.7130, -38.7450



59.7840, -44.3310, -28.0990

# Sweetspot

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



70.3910, -18.7130, 36.2870



166.2510, -7.4760, 14.3480



109.8870, -54.1460, -9.9060



80.1170, -4.4030, 8.2130



227.0000, -0.0000, -0.0000



99.0000, -0.0000, 0.0000



# Same Dimension

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



70.3910, -18.7130, 36.2870



70.6620, -28.9410, 56.4590



85.0420, 10.4910, 46.6750



70.5100, -1.3760, 2.9120



25.5280, -25.8680, 50.3240



2.3790, -2.3850, 4.6790



# Inverse Universe

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



91.0910, 35.1580, 45.6700



102.7370, 54.7310, 70.9150



119.9580, -10.4910, -46.6750



72.0760, 2.8420, 3.5620



54.1720, 48.7720, 63.2680



5.0270, 4.5380, 5.8660



# Previews

## White Background



This preview shows how the YIQ color 70.3910, -18.7130, 36.2870 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 70.3910, -18.7130, 36.2870 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

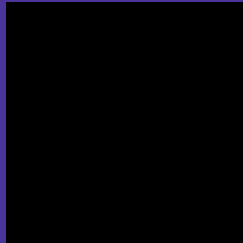
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 70.3910, -18.7130, 36.2870**

## **Background**



This preview shows how black text looks on a background with the YIQ color 70.3910, -18.7130, 36.2870.



This preview shows how white text looks on a background with the YIQ color 70.3910, -18.7130,



# 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

70.3910, -18.7130, 36.2870

### Protanopia

56.4460, -65.2450, 9.5310

### Deuteranopia

57.1010, -60.2000, 0.6960



## Tritanopia

68.4050, -14.4420, -2.5860

# Trichromacy



## Original Color

70.3910, -18.7130, 36.2870

## Protanomaly

61.3390, -48.4660, 19.3260

## Deuteranomaly

61.6180, -45.1180, 13.7140

## Tritanomaly

69.1790, -16.1410, 11.6910

# Monochromacy



## Original Color

70.3910, -18.7130, 36.2870

## Achromatopsia

70.0000, 0.0000, 0.0000

## Achromatomaly

69.9090, -6.5130, 13.4150

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 70.3910, -18.7130, 36.2870 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, 52, 153)` looks like.

```
.text, #text, p{  
    color:rgb(75, 52, 153)  
}
```

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, 52, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 52, 153) }
```

## Border

The CSS property to change the border of an element to YIQ 70.3910, -18.7130, 36.2870 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, 52, 153) }
```



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

```
.border{ border-color:rgb(75, 52, 153) }
```

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

Here you see how a box with a 4 pixel rgb(75, 52, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 52, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 52, 153);  
box-shadow:4px 4px 4px 4px rgb(75, 52,  
153) }
```

# Background

The CSS property to change the background color of an element to YIQ 70.3910, -18.7130, 36.2870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 52, 153) }
```

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

```
.background{ background-color: rgb(75, 52,  
153) }
```

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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