

# Converting Colors

YIQ(70.0710, -49.2060, 54.7780)

Have a look what the booklet for  
YIQ(70.0710, -49.2060, 54.7780)  
contains.

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# Color

**YIQ(70.0710, -49.2060,  
54.7780)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3930DA
RGB	57, 48, 218
RGB Percent	22%, 19%, 85%
CMY	0.7763, 0.8118, 0.1454
CMYK	0.74, 0.78, 0.00, 0.15
HSL	243°, 70%, 52%
HSV	243°, 78%, 85%
XYZ	15.3900, 8.0420, 67.0136
YIQ	70.0710, -49.2060, 54.7780

# Conversions

## Conversions Part 2

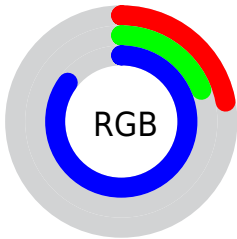
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">57, 48, 218</a>
Decimal	<a href="#">3748058</a>
CIELab	<a href="#">34.07, 56.70, -83.80</a>
CIELCh	<a href="#">34, 101.178, 304.086</a>
Yxy	<a href="#">8.0420, 0.1702, 0.0889</a>
Android (android.graphics.Color)	<a href="#">4281938138 (0xFF3930DA)</a>
YUV	<a href="#">70.0710, 72.9290, -11.4633</a>
Hunter-Lab	<a href="#">28.3585, 47.2436, -120.2566</a>

# Details

The YIQ color **70.0710, -49.2060, 54.7780** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **195.9290, 49.2060, -54.7780**, and the grayscale version is **69.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **124.8680, -32.5170, 55.1870**, and **18.3540, -51.6810, 50.0710** is the 20% darker color. If you saturate the color by 10%, you get **50.8780, -55.6720, 61.8320**, and if you desaturate by 10%, it is **89.2640, -42.7400, 47.7240**.

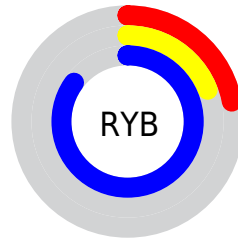
# Distribution



Red (22%)

Green (19%)

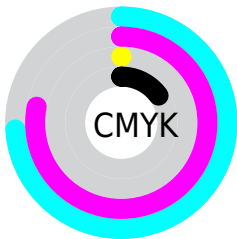
Blue (85%)



Red (22%)

Yellow (19%)

Blue (85%)

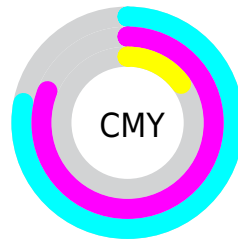


Cyan (74%)

Magenta (78%)

Yellow (0%)

Black (15%)



Cyan (78%)

Magenta (81%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 70.0710, -49.2060, 54.7780 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 70.0710, -49.2060, 54.7780 by changing the saturation by 10% instead.



■ 70.0710, -49.2060,  
54.7780

■ 70.0710, -49.2060,  
54.7780

■ 255.0000, -0.0000,  
-0.0000

■ 35.0470, -66.9940,  
46.7500

■ 124.8680,  
-32.5170, 55.1870

■ 18.3540, -51.6810,  
50.0710

■ 149.6980,  
-20.5950, 48.3730

■ 15.2760, -43.0140,  
41.6740

■ 174.2290, -9.2690,  
41.3470

■ 12.3120, -34.6680,  
33.5880

■ 200.2330, 2.1030,  
33.4870

■ 15.8050, -29.3470,  
19.7490

■ 225.9380, 12.8790,  
25.4150

■ 10.1340, -20.2680,  
14.9000

■ 242.6730, 5.7750,

■ 5.2780, -12.1060,

10.9830

10.1500

■ 1.2540, -3.5310,  
3.4210

■ 0.0000, 0.0000,  
0.0000

■ 70.0710, -49.2060,  
54.7780

■ 70.0710, -49.2060,  
54.7780

■ 50.8780, -55.6720,  
61.8320

■ 89.2640, -42.7400,  
47.7240

■ 31.9840, -61.5420,  
69.0980

■ 108.1580,  
-36.8700, 40.4580

■ 28.4400, -62.8260,  
70.3420

■ 126.7640,  
-30.1290, 33.9270

■ 145.9570,  
-23.6630, 26.8730

■ 164.8510,  
-17.7930, 19.6070

■ 184.0440,  
-11.3270, 12.5530

■ 202.9380, -5.4570,  
5.2870

■ 221.5440, 1.2840,  
-1.2440

■ 240.7370, 7.7500,  
-8.2980

# Harmonies

## Analogous

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



82.1620, -104.5870, 28.7010



70.0710, -49.2060, 54.7780



70.2510, 56.7000, 84.7960

# Triad

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



70.0710, -49.2060, 54.7780



68.6290, 78.9960, 11.0920



72.4820, -58.0400, -27.4480

# Complementary

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



70.0710, -49.2060, 54.7780



195.9290, 49.2060, -54.7780

# 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.



60.4610, -28.3250, -53.8690



70.0710, -49.2060, 54.7780



74.7450, 30.4940, -24.0180

# Square

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



70.0710, -49.2060, 54.7780



58.0060, 115.6240, 41.1280



57.5260, -26.9500, -51.2540



82.8900, -84.5910, -3.3030



# Rectangle

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



70.0710, -49.2060, 54.7780



72.0970, 88.8880, 74.1360



57.5260, -26.9500, -51.2540



68.5890, -48.4560, -35.9440

# Sweetspot

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



70.0710, -49.2060, 54.7780



203.6230, -17.1510, 18.9850



161.8870, -98.8450, -31.3330



96.7020, -10.3640, 11.6200



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



70.0710, -49.2060, 54.7780



46.2470, -69.2920, 77.3960



95.1870, 0.8580, 72.5860



100.2540, -3.5310, 3.4210



22.4130, -50.1690, 55.7110



5.8420, -13.5740, 14.7300



# Inverse Universe

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



117.1840, 49.6390, 86.1110



112.6380, 70.1730, 121.4770



170.5140, -1.4540, -72.7980



103.4290, 3.3460, 5.4420



70.4230, 50.4640, 87.6800

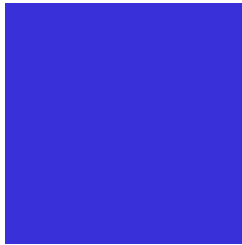


18.6560, 13.6130, 23.1250



# Previews

## White Background



This preview shows how the YIQ color 70.0710, -49.2060, 54.7780 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

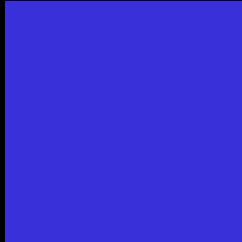
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YIQ color 70.0710, -49.2060, 54.7780 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 70.0710, -49.2060, 54.7780

## Background



This preview shows how black text looks on a background with the YIQ color 70.0710, -49.2060, 54.7780.



This preview shows how white text looks on a background with the YIQ color 70.0710, -49.2060,



# 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

70.0710, -49.2060, 54.7780

### Protanopia

63.6670, -73.1770, 10.1110

### Deuteranopia

63.8660, -66.8480, 0.0320



## Tritanopia

62.3720, -54.3740, -16.7900

# Trichromacy



## Original Color

70.0710, -49.2060, 54.7780

## Protanomaly

65.7690, -64.0560, 26.5360

## Deuteranomaly

66.4070, -60.3410, 19.7790

## Tritanomaly

64.9760, -52.1780, 9.5020

# Monochromacy



## Original Color

70.0710, -49.2060, 54.7780

## Achromatopsia

70.0000, 0.0000, 0.0000

## Achromatomaly

69.9650, -18.1140, 19.9180

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 70.0710, -49.2060, 54.7780 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, 48, 218)` looks like.

```
.text, #text, p{  
    color:rgb(57, 48, 218)  
}
```

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, 48, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 48, 218) }
```

## Border

The CSS property to change the border of an element to YIQ 70.0710, -49.2060, 54.7780 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, 48, 218) }
```



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

```
.border{ border-color:rgb(57, 48, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 48, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 48, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 48, 218);  
box-shadow:4px 4px 4px 4px rgb(57, 48,  
218) }
```

# Background

The CSS property to change the background color of an element to YIQ 70.0710, -49.2060, 54.7780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 48, 218) }
```

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

```
.background{ background-color: rgb(57, 48,  
218) }
```

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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