

# Converting Colors

YIQ(71.8390, -17.5190, 25.6570)

Have a look what the booklet for  
YIQ(71.8390, -17.5190, 25.6570)  
contains.

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# Color

**YIQ(71.8390, -17.5190,  
25.6570)**

# Conversions

## Conversions Part 1

Format	Color
Hex	473C87
RGB	71, 60, 135
RGB Percent	28%, 24%, 53%
CMY	0.7215, 0.7647, 0.4707
CMYK	0.47, 0.56, 0.00, 0.47
HSL	249°, 38%, 38%
HSV	249°, 56%, 53%
XYZ	8.5864, 6.3199, 23.6770
YIQ	71.8390, -17.5190, 25.6570

# Conversions

## Conversions Part 2

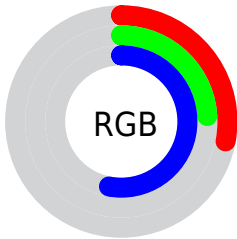
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	71, 60, 135
Decimal	4668551
CIE Lab	30.21, 25.19, -40.60
CIE LCh	30, 47.782, 301.814
Yxy	6.3199, 0.2225, 0.1638
Android (android.graphics.Color)	4282858631 (0xFF473C87)
YUV	71.8390, 31.1384, -0.7358
Hunter-Lab	25.1394, 16.9730, -38.2433

# Details

The YIQ color **71.8390, -17.5190, 25.6570** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **123.1610, 17.5190, -25.6570**, and the grayscale version is **72.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **122.0180, -16.4650, 28.5830**, and **23.7410, -23.2950, 20.2010** is the 20% darker color. If you saturate the color by 10%, you get **60.3320, -20.2250, 30.6470**, and if you desaturate by 10%, it is **83.0580, -13.9420, 21.4020**.

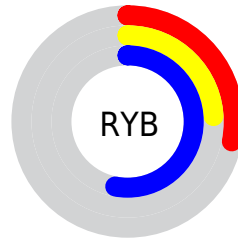
# Distribution



Red (28%)

Green (24%)

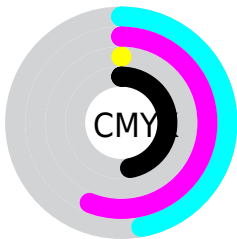
Blue (53%)



Red (28%)

Yellow (24%)

Blue (53%)

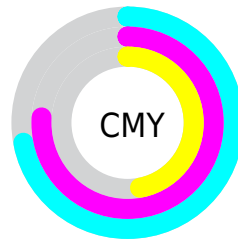


Cyan (47%)

Magenta (56%)

Yellow (0%)

Black (47%)



Cyan (72%)

Magenta (76%)

Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 71.8390, -17.5190, 25.6570 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 71.8390, -17.5190, 25.6570 by changing the saturation by 10% instead.



■ 71.8390, -17.5190,  
25.6570

■ 71.8390, -17.5190,  
25.6570

■ 255.0000, -0.0000,  
-0.0000

■ 48.1870, -18.6190,  
23.5650

■ 122.0180,  
-16.4650, 28.5830

■ 23.7410, -23.2950,  
20.2010

■ 147.9580,  
-16.2360, 29.9400

■ 6.9540, -19.5810,  
18.9710

■ 174.8980,  
-16.0070, 31.2970

■ 6.0930, -13.0230,  
10.2490

■ 200.1450, -9.6330,  
25.9110

■ 2.2970, -5.0900,  
4.1420

■ 225.2520, -0.0490,  
17.4150

■ 0.0000, 0.0000,  
0.0000

■ 247.9560, 3.3000,

6.2760

■ 71.8390, -17.5190,  
25.6570

■ 71.8390, -17.5190,  
25.6570

■ 60.3320, -20.2250,  
30.6470

■ 83.0580, -13.9420,  
21.4020

■ 49.1130, -23.8020,  
34.9020

■ 94.5650, -11.2360,  
16.4120

■ 37.8940, -27.3790,  
39.1570

■ 105.7840, -7.6590,  
12.1570

■ 26.3870, -30.0850,  
44.1470

■ 117.2910, -4.9530,  
7.1670

■ 21.3700, -31.4150,  
46.2250

■ 128.5100, -1.3760,  
2.9120

■ 140.0170, 1.3300,  
-2.0780

■ 151.2360, 4.9070,  
-6.3330

■ 162.7430, 7.6130,  
-11.3230

■ 173.9620, 11.1900,  
-15.5780

# Harmonies

## Analogous

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



60.6690, -67.4910, 6.1810



71.8390, -17.5190, 25.6570



70.6610, 24.3850, 37.1610

# Triad

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



71.8390, -17.5190, 25.6570



66.3710, 52.8190, -4.5970



59.2770, -47.0370, -23.1090

# Complementary

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



71.8390, -17.5190, 25.6570



123.1610, 17.5190, -25.6570

# 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.



53.6570, -33.9680, -34.1920



71.8390, -17.5190, 25.6570



66.5050, 31.4100, -18.5900

# Square

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



71.8390, -17.5190, 25.6570



64.4760, 57.8580, 19.7300



61.0130, 6.0120, -31.8760



63.6090, -59.2350, -11.2910



# Rectangle

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



71.8390, -17.5190, 25.6570



65.0670, 43.7330, 38.9410



61.0130, 6.0120, -31.8760



57.7950, -42.8640, -27.1520

# Sweetspot

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



71.8390, -17.5190, 25.6570



150.6160, -7.2460, 10.1780



106.7050, -41.9500, -10.6700



73.9490, -3.9900, 6.2340



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000



# Same Dimension

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



71.8390, -17.5190, 25.6570



76.5350, -27.7460, 40.3020



82.6030, 3.9370, 33.2890



60.9830, -1.3300, 2.0780



20.5010, -30.4060, 44.4580



0.3420, -0.9630, 0.9330



# Inverse Universe

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



89.7210, 24.1560, 35.8040



104.7960, 37.9070, 56.4270



112.0980, -4.5330, -33.5010



62.3640, 1.9710, 2.8270



51.5240, 41.8490, 62.0810



1.1250, 1.1460, 1.2580



# Previews

## White Background



This preview shows how the YIQ color 71.8390, -17.5190, 25.6570 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 71.8390, -17.5190, 25.6570 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 71.8390, -17.5190, 25.6570**

## **Background**



This preview shows how black text looks on a background with the YIQ color 71.8390, -17.5190, 25.6570.



This preview shows how white text looks on a background with the YIQ color 71.8390, -17.5190,



# 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

71.8390, -17.5190, 25.6570

### Protanopia

61.4040, -56.2590, 11.8770

### Deuteranopia

57.4430, -61.1630, 1.6290



## Tritanopia

69.3020, -12.6540, -1.9500

# Trichromacy



## Original Color

71.8390, -17.5190, 25.6570

## Protanomaly

65.2810, -42.5510, 16.7530

## Deuteranomaly

62.6240, -45.2550, 10.6890

## Tritanomaly

70.1420, -14.7190, 7.9450

# Monochromacy



## Original Color

71.8390, -17.5190, 25.6570

## Achromatopsia

72.0000, -0.0000, 0.0000

## Achromatomaly

72.2740, -6.2830, 9.2450

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 71.8390, -17.5190, 25.6570 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(71, 60, 135)` looks like.

```
.text, #text, p{  
    color:rgb(71, 60, 135)  
}
```

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(71, 60, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 60, 135) }
```

## Border

The CSS property to change the border of an element to YIQ 71.8390, -17.5190, 25.6570 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(71, 60, 135) }
```



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

```
.border{ border-color:rgb(71, 60, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 60, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 60, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 60, 135);  
box-shadow:4px 4px 4px 4px rgb(71, 60,  
135) }
```

# Background

The CSS property to change the background color of an element to YIQ 71.8390, -17.5190, 25.6570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 60, 135) }
```

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

```
.background{ background-color: rgb(71, 60,  
135) }
```

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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