

# Converting Colors

YIQ(75.5640, -43.8850, 40.9390)

Have a look what the booklet for  
YIQ(75.5640, -43.8850, 40.9390)  
contains.

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# Color

**YIQ(75.5640, -43.8850,  
40.9390)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3B3DC2
RGB	59, 61, 194
RGB Percent	23%, 24%, 76%
CMY	0.7685, 0.7608, 0.2395
CMYK	0.70, 0.69, 0.00, 0.24
HSL	239°, 53%, 50%
HSV	239°, 70%, 76%
XYZ	13.2033, 8.1599, 51.8765
YIQ	75.5640, -43.8850, 40.9390

# Conversions

## Conversions Part 2

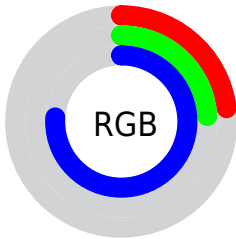
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	59, 61, 194
Decimal	3882434
CIE <sub>Lab</sub>	34.31, 42.08, -69.46
CIE <sub>LCh</sub>	34, 81.212, 301.210
Yxy	8.1599, 0.1803, 0.1114
Android (android.graphics.Color)	4282072514 (0xFF3B3DC2)
YUV	75.5640, 58.3889, -14.5266
Hunter-Lab	28.5655, 32.5149, -87.6778

# Details

The YIQ color **75.5640, -43.8850, 40.9390** 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 **177.4360, 43.8850, -40.9390**, and the grayscale version is **75.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **129.7870, -36.9630, 47.6530**, and **25.8250, -49.2940, 34.3380** is the 20% darker color. If you saturate the color by 10%, you get **58.7300, -49.9840, 46.8480**, and if you desaturate by 10%, it is **92.3980, -37.7860, 35.0300**.

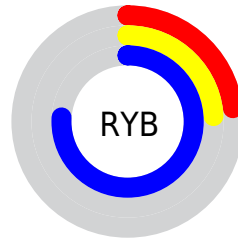
# Distribution



Red (23%)

Green (24%)

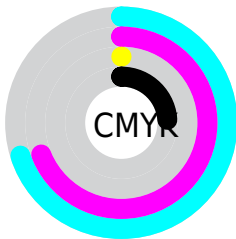
Blue (76%)



Red (23%)

Yellow (24%)

Blue (76%)

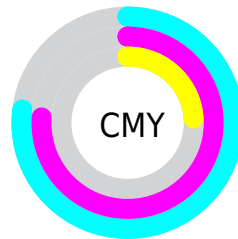


Cyan (70%)

Magenta (69%)

Yellow (0%)

Black (24%)



Cyan (77%)

Magenta (76%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 75.5640, -43.8850, 40.9390 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 75.5640, -43.8850, 40.9390 by changing the saturation by 10% instead.



■ 75.5640, -43.8850,  
40.9390

■ 75.5640, -43.8850,  
40.9390

■ 255.0000, -0.0000,  
-0.0000

■ 42.4260, -61.3520,  
32.6000

■ 129.7870,  
-36.9630, 47.6530

■ 25.8250, -49.2940,  
34.3380

■ 154.3610,  
-27.1960, 41.3480

■ 12.8820, -36.2730,  
35.1430

■ 178.5930,  
-16.4660, 34.1100

■ 9.9180, -27.9270,  
27.0570

■ 203.9990, -6.2860,  
25.8260

■ 10.7040, -21.8730,  
16.4550

■ 229.4050, 3.8940,  
17.5420

■ 6.3210, -13.6650,  
10.8710

■ 249.1300, 2.7500,

■ 2.6390, -6.0530,

5.2300

5.0750

■ 0.0000, 0.0000,  
0.0000

■ 75.5640, -43.8850,  
40.9390

■ 75.5640, -43.8850,  
40.9390

■ 58.7300, -49.9840,  
46.8480

■ 92.3980, -37.7860,  
35.0300

■ 41.5970, -56.6790,  
52.5450

■ 109.5310,  
-31.0910, 29.3330

■ 24.7630, -62.7780,  
58.4540

■ 126.3650,  
-24.9920, 23.4240

■ 23.8770, -63.0990,  
58.7650

■ 143.4980,  
-18.2970, 17.7270

■ 160.9190,  
-12.4730, 11.2950

■ 177.7530, -6.3740,  
5.3860

■ 194.8860, 0.3210,  
-0.3110

■ 211.7200, 6.4200,  
-6.2200

■ 228.8530, 13.1150,  
-11.9170

# Harmonies

## Analogous

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



77.2260, -93.4440, 19.4840



75.5640, -43.8850, 40.9390



62.7610, 46.1560, 77.6440

# Triad

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



75.5640, -43.8850, 40.9390



71.8300, 73.8160, 5.8480



70.3960, -54.9220, -28.8900

# Complementary

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



75.5640, -43.8850, 40.9390



177.4360, 43.8850, -40.9390

# 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.



59.4010, -28.0960, -52.5120



75.5640, -43.8850, 40.9390



75.9630, 35.8120, -21.2760

# Square

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



75.5640, -43.8850, 40.9390



55.2740, 100.3100, 43.3340



61.1470, -15.3970, -45.8690



78.3930, -76.0620, -9.1980



# Rectangle

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



75.5640, -43.8850, 40.9390



65.5620, 74.2170, 70.1930



61.1470, -15.3970, -45.8690



67.1870, -47.2640, -35.5200

# Sweetspot

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



75.5640, -43.8850, 40.9390



205.6290, -17.2880, 15.9600



153.4070, -79.8180, -29.2420



99.6480, -10.2720, 9.9520



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.



75.5640, -43.8850, 40.9390



68.5870, -67.9140, 63.4300



93.8250, -4.5950, 55.7650



88.1400, -3.2100, 3.1100



19.5280, -52.2310, 49.0250



3.7620, -10.5930, 10.2630



# Inverse Universe

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



99.5930, 79.8180, 29.2420



105.8330, 123.6010, 45.2410



159.1750, 4.5950, -55.7650



89.9900, 5.9600, 2.1200



48.3670, 95.3140, 34.7540

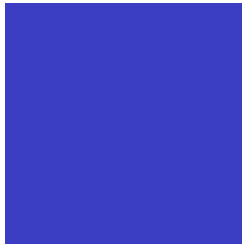


9.8670, 19.6680, 6.9960



# Previews

## White Background



This preview shows how the YIQ color 75.5640, -43.8850, 40.9390 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

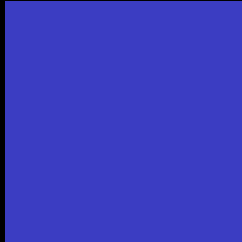
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YIQ color 75.5640, -43.8850, 40.9390 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

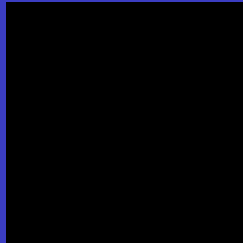
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 75.5640, -43.8850, 40.9390**

## **Background**



This preview shows how black text looks on a background with the YIQ color 75.5640, -43.8850, 40.9390.



This preview shows how white text looks on a background with the YIQ color 75.5640, -43.8850,



# 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

75.5640, -43.8850, 40.9390

### Protanopia

64.4820, -74.0940, 10.2100

### Deuteranopia

64.6810, -67.7650, 0.1310



## Tritanopia

63.0730, -54.9700, -17.0020

# Trichromacy



## Original Color

75.5640, -43.8850, 40.9390

## Protanomaly

68.4930, -63.4590, 21.2210

## Deuteranomaly

68.5440, -59.4690, 14.9870

## Tritanomaly

67.5860, -51.2600, 3.8760

# Monochromacy



## Original Color

75.5640, -43.8850, 40.9390

## Achromatopsia

76.0000, -0.0000, -0.0000

## Achromatomaly

76.1730, -16.0040, 14.7160

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 75.5640, -43.8850, 40.9390 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(59, 61, 194)` looks like.

```
.text, #text, p{  
    color:rgb(59, 61, 194)  
}
```

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(59, 61, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 61, 194) }
```

## Border

The CSS property to change the border of an element to YIQ 75.5640, -43.8850, 40.9390 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(59, 61, 194) }
```



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

```
.border{ border-color:rgb(59, 61, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 61, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 61, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 61, 194);  
box-shadow:4px 4px 4px 4px rgb(59, 61,  
194) }
```

# Background

The CSS property to change the background color of an element to YIQ 75.5640, -43.8850, 40.9390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 61, 194) }
```

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

```
.background{ background-color: rgb(59, 61,  
194) }
```

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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