

Converting Colors

YIQ(80.0750, -37.8340, 46.9180)

Have a look what the booklet for
YIQ(80.0750, -37.8340, 46.9180)
contains.

| | |
|--|----|
| YIQ(80.0750, -37.8340, 46.9180) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**YIQ(80.0750, -37.8340,
46.9180)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 493CCA |
| RGB | 73, 60, 202 |
| RGB Percent | 29%, 24%, 79% |
| CMY | 0.7136, 0.7647, 0.2081 |
| CMYK | 0.64, 0.70, 0.00, 0.21 |
| HSL | 246°, 57%, 51% |
| HSV | 246°, 70%, 79% |
| XYZ | 15.0184, 8.9100, 56.7642 |
| YIQ | 80.0750, -37.8340, 46.9180 |

Conversions

Conversions Part 2

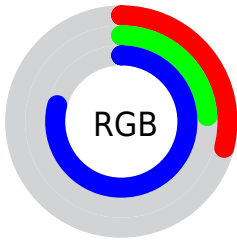
| Format | Color |
|-------------------------------------|--|
| RYB | 73, 60, 202 |
| Decimal | 4799690 |
| CIELab | 35.81, 46.99, -71.64 |
| CIELCh | 36, 85.675, 303.263 |
| Yxy | 8.9100, 0.1861, 0.1104 |
| Android (android.graphics.Color) | 4282989770 (0xFF493CCA) |
| YUV | 80.0750, 60.1090, -6.2048 |
| Hunter-Lab | 29.8496, 37.5729, -91.8556 |

Details

The YIQ color **80.0750, -37.8340, 46.9180** 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 **181.9250, 37.8340, -46.9180**, and the grayscale version is **80.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **133.7170, -30.7740, 51.1300**, and **24.3890, -50.7620, 38.9180** is the 20% darker color. If you saturate the color by 10%, you get **62.9530, -43.0620, 53.5620**, and if you desaturate by 10%, it is **97.1970, -32.6060, 40.2740**.

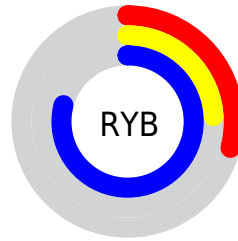
Distribution



Red (29%)

Green (24%)

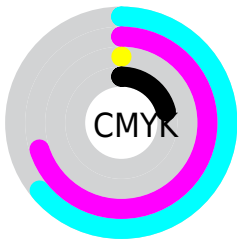
Blue (79%)



Red (29%)

Yellow (24%)

Blue (79%)

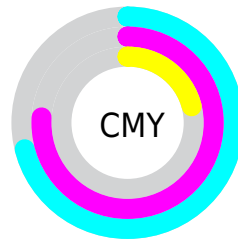


Cyan (64%)

Magenta (70%)

Yellow (0%)

Black (21%)



Cyan (71%)

Magenta (76%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 80.0750, -37.8340, 46.9180 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 80.0750, -37.8340, 46.9180 by changing the saturation by 10% instead.

■ 80.0750, -37.8340,
46.9180

■ 80.0750, -37.8340,
46.9180

■ 255.0000, -0.0000,
-0.0000

■ 51.4220, -46.3610,
41.7590

■ 133.7170,
-30.7740, 51.1300

■ 24.2750, -50.4410,
38.6070

■ 157.9490,
-20.0440, 43.8920

■ 13.6800, -38.5200,
37.3200

■ 182.7680, -9.5890,
36.1310

■ 10.7160, -30.1740,
29.2340

■ 207.5870, 0.8660,
28.3700

■ 12.5620, -24.3490,
17.2750

■ 232.6940, 10.4500,
19.8740

■ 7.5920, -15.8660,
12.2140

■ 249.7170, 2.4750,

■ 3.3230, -7.9790,

4.7070

6.9410

■ 0.0000, 0.0000,
0.0000

■ 80.0750, -37.8340,
46.9180

■ 80.0750, -37.8340,
46.9180

■ 62.9530, -43.0620,
53.5620

■ 97.1970, -32.6060,
40.2740

■ 45.5320, -48.8860,
59.9940

■ 114.6180,
-26.7820, 33.8420

■ 28.7090, -53.5180,
66.8500

■ 132.3270,
-21.8290, 26.6750

■ 149.4490,
-16.6010, 20.0310

■ 166.8700,
-10.7770, 13.5990

■ 183.9920, -5.5490,
6.9550

■ 201.1140, -0.3210,
0.3110

■ 219.1220, 5.2280,
-6.6440

■ 236.2440, 10.4560,
-13.2880

Harmonies

Analogous

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



80.2410, -97.8000, 21.3360



80.0750, -37.8340, 46.9180



66.8050, 52.0240, 81.4320

Triad

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



80.0750, -37.8340, 46.9180



75.3740, 75.1000, 4.6040



74.2430, -58.8650, -29.0170

Complementary

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



80.0750, -37.8340, 46.9180



181.9250, 37.8340, -46.9180

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.



63.0200, -31.3970, -53.2610



80.0750, -37.8340, 46.9180



78.8980, 34.4370, -23.8910

Square

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



80.0750, -37.8340, 46.9180



56.9820, 107.0040, 43.1640



58.7000, -27.5000, -52.3000



82.6960, -81.2890, -8.0810

Rectangle

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



80.0750, -37.8340, 46.9180



68.8510, 80.7730, 72.5250



58.7000, -27.5000, -52.3000



70.9200, -50.8860, -35.9580

Sweetspot

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



80.0750, -37.8340, 46.9180



208.6510, -14.3540, 17.8540



152.4980, -81.3320, -23.8280



100.5450, -8.4840, 10.5880



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.



80.0750, -37.8340, 46.9180



71.0770, -57.3700, 70.5820



101.0050, 3.8860, 61.7580



93.4390, -2.6140, 3.3220



23.4090, -44.3460, 54.8060



5.5280, -9.8140, 12.6660

Inverse Universe

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



117.1640, 43.2230, 70.2230



127.1020, 65.2700, 105.7020



160.9950, -3.8860, -61.7580



96.0160, 3.0710, 4.9190



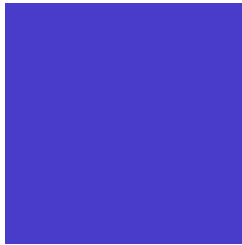
66.8480, 50.4650, 82.1530



15.3520, 11.4130, 18.9410

Previews

White Background



This preview shows how the YIQ color 80.0750, -37.8340, 46.9180 looks on a white background.

Color Contrast Check

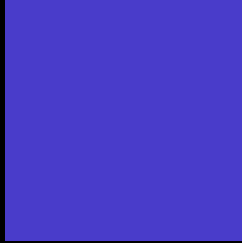
Large Text (above 18pt) WCAG AA ✓ Pass

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 80.0750, -37.8340, 46.9180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

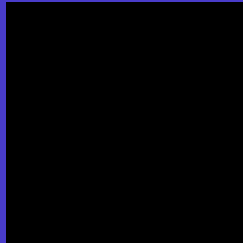
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 80.0750, -37.8340, 46.9180

Background



This preview shows how black text looks on a background with the YIQ color 80.0750, -37.8340, 46.9180.



This preview shows how white text looks on a background with the YIQ color 80.0750, -37.8340,

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

80.0750, -37.8340, 46.9180

Protanopia

67.0410, -77.1660, 10.8180

Deuteranopia

67.1260, -70.5160, 0.4280



Tritanopia

65.9910, -57.6750, -17.5390

Trichromacy



Original Color

80.0750, -37.8340, 46.9180

Protanomaly

71.6720, -62.4050, 24.1470

Deuteranomaly

72.1960, -58.3690, 17.0790

Tritanomaly

71.2380, -50.1600, 5.9680

Monochromacy



Original Color

80.0750, -37.8340, 46.9180

Achromatopsia

80.0000, 0.0000, -0.0000

Achromatomaly

80.0100, -13.9870, 16.7090

CSS Examples

Text

The CSS property to change the color of the text to YIQ 80.0750, -37.8340, 46.9180 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(73, 60, 202)` looks like.

```
.text, #text, p{  
    color:rgb(73, 60, 202)  
}
```

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(73, 60, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 60, 202) }
```

Border

The CSS property to change the border of an element to YIQ 80.0750, -37.8340, 46.9180 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(73, 60, 202) }
```


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

```
.border{ border-color:rgb(73, 60, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 60, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 60, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 60, 202);  
box-shadow:4px 4px 4px 4px rgb(73, 60,  
202) }
```

Background

The CSS property to change the background color of an element to YIQ 80.0750, -37.8340, 46.9180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 60, 202) }
```

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

```
.background{ background-color: rgb(73, 60,  
202) }
```

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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