

Converting Colors

YIQ(77.4900, -49.0680, 52.2760)

Have a look what the booklet for
YIQ(77.4900, -49.0680, 52.2760)
contains.

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Color

**YIQ(77.4900, -49.0680,
52.2760)**

Conversions

Conversions Part 1

Format	Color
Hex	3F39DD
RGB	63, 57, 221
RGB Percent	25%, 22%, 87%
CMY	0.7528, 0.7765, 0.1337
CMYK	0.71, 0.74, 0.00, 0.13
HSL	242°, 71%, 54%
HSV	242°, 74%, 87%
XYZ	16.5550, 9.1999, 69.2525
YIQ	77.4900, -49.0680, 52.2760

Conversions

Conversions Part 2

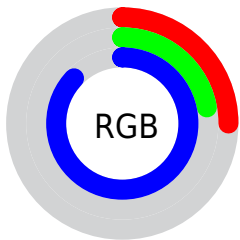
Format	Color
RYB	63, 57, 221
Decimal	4143581
CIELab	36.37, 53.52, -81.71
CIElCh	36, 97.676, 303.223
Yxy	9.1999, 0.1742, 0.0968
Android (android.graphics.Color)	4282333661 (0xFF3F39DD)
YUV	77.4900, 70.7504, -12.7077
Hunter-Lab	30.3313, 44.3468, -114.1392

Details

The YIQ color **77.4900, -49.0680, 52.2760** 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 **200.5100, 49.0680, -52.2760**, and the grayscale version is **77.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **131.3470, -32.6080, 51.3280**, and **23.3920, -54.8440, 46.8200** is the 20% darker color. If you saturate the color by 10%, you get **58.2970, -55.5340, 59.3300**, and if you desaturate by 10%, it is **96.6830, -42.6020, 45.2220**.

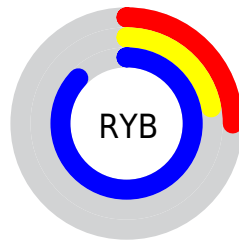
Distribution



Red (25%)

Green (22%)

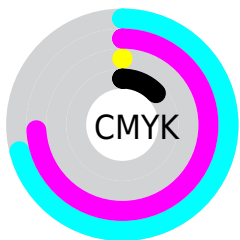
Blue (87%)



Red (25%)

Yellow (22%)

Blue (87%)

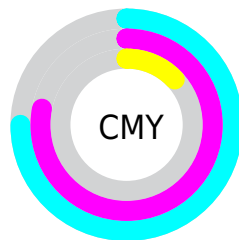


Cyan (71%)

Magenta (74%)

Yellow (0%)

Black (13%)



Cyan (75%)

Magenta (78%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 77.4900, -49.0680, 52.2760 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 77.4900, -49.0680, 52.2760 by changing the saturation by 10% instead.

■ 77.4900, -49.0680,
52.2760

■ 77.4900, -49.0680,
52.2760

■ 255.0000, -0.0000,
-0.0000

■ 41.2590, -70.7070,
42.4530

■ 131.3470,
-32.6080, 51.3280

■ 23.3920, -54.8440,
46.8200

■ 155.5900,
-20.4110, 45.0370

■ 15.6180, -43.9770,
42.6070

■ 180.7080, -9.3600,
37.4880

■ 12.6540, -35.6310,
34.5210

■ 206.4130, 1.4160,
29.4160

■ 16.7340, -30.5850,
20.1590

■ 231.5200, 11.0000,
20.9200

■ 10.4760, -21.2310,
15.8330

■ 247.9560, 3.3000,

■ 6.0930, -13.0230,

6.2760

10.2490

■ 2.2970, -5.0900,
4.1420

■ 0.0000, 0.0000,
0.0000

■ 77.4900, -49.0680,
52.2760

■ 77.4900, -49.0680,
52.2760

■ 58.2970, -55.5340,
59.3300

■ 96.6830, -42.6020,
45.2220

■ 38.8050, -62.5960,
66.1720

■ 116.1750,
-35.5400, 38.3800

■ 27.5860, -66.1730,
70.4270

■ 135.3680,
-29.0740, 31.3260

■ 154.5610,
-22.6080, 24.2720

■ 173.7540,
-16.1420, 17.2180

■ 193.8330, -9.3550,
9.8530

■ 213.0260, -2.8890,
2.7990

■ 232.2190, 3.5770,
-4.2550

■ 251.1240, 10.9140,
-10.5740

Harmonies

Analogous

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



85.2110, -106.2830, 26.3970



77.4900, -49.0680, 52.2760



71.5330, 55.9660, 87.0860

Triad

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



77.4900, -49.0680, 52.2760



74.8310, 81.2430, 8.9150



76.3460, -60.6530, -29.6530

Complementary

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



77.4900, -49.0680, 52.2760



200.5100, 49.0680, -52.2760

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.



63.9830, -29.9750, -57.0070



77.4900, -49.0680, 52.2760



79.7840, 34.7580, -24.2020

Square

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



77.4900, -49.0680, 52.2760



59.6150, 118.2830, 42.4990



60.4610, -28.3250, -53.8690



86.5260, -86.5620, -6.1300

Rectangle

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



77.4900, -49.0680, 52.2760



73.7920, 88.4290, 76.9490



60.4610, -28.3250, -53.8690



72.5670, -51.3900, -37.8380

Sweetspot

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



77.4900, -49.0680, 52.2760



205.9820, -16.7840, 17.8400



168.4420, -96.0940, -31.6300



98.4740, -9.7220, 10.9980



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.



77.4900, -49.0680, 52.2760



56.2700, -68.0990, 72.2930



101.7090, -0.7920, 69.4480



100.2540, -3.5310, 3.4210



21.5160, -51.9570, 55.0750



5.8420, -13.5740, 14.7300

Inverse Universe

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



124.0480, 47.0260, 83.9060



120.8390, 64.9930, 116.2330



175.9920, 0.1960, -69.6600



103.4290, 3.3460, 5.4420



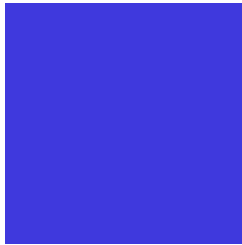
70.7650, 49.5010, 88.6130



18.7700, 13.2920, 23.4360

Previews

White Background



This preview shows how the YIQ color 77.4900, -49.0680, 52.2760 looks on a white background.

Color Contrast Check

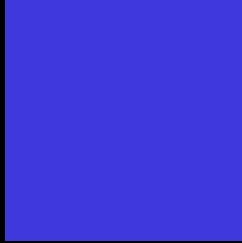
Large Text (above 18pt) WCAG AA ✓ Pass

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 77.4900, -49.0680, 52.2760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

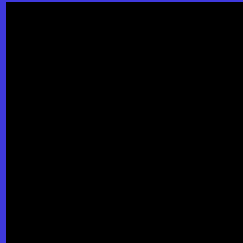
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 77.4900, -49.0680, 52.2760

Background



This preview shows how black text looks on a background with the YIQ color 77.4900, -49.0680, 52.2760.



This preview shows how white text looks on a background with the YIQ color 77.4900, -49.0680,

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

77.4900, -49.0680, 52.2760

Protanopia

67.8560, -78.0830, 10.9170

Deuteranopia

67.8270, -71.1120, 0.2160



Tritanopia

66.5780, -57.9500, -18.0620

Trichromacy



Original Color

77.4900, -49.0680, 52.2760

Protanomaly

71.3880, -67.3570, 25.7870

Deuteranomaly

71.3250, -63.0460, 19.2420

Tritanomaly

70.8400, -54.7910, 7.2970

Monochromacy



Original Color

77.4900, -49.0680, 52.2760

Achromatopsia

77.0000, -0.0000, -0.0000

Achromatomaly

77.3240, -17.7470, 18.7730

CSS Examples

Text

The CSS property to change the color of the text to YIQ 77.4900, -49.0680, 52.2760 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(63, 57, 221)` looks like.

```
.text, #text, p{  
    color:rgb(63, 57, 221)  
}
```

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(63, 57, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 57, 221) }
```

Border

The CSS property to change the border of an element to YIQ 77.4900, -49.0680, 52.2760 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(63, 57, 221) }
```


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

```
.border{ border-color:rgb(63, 57, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 57, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 57, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 57, 221);  
box-shadow:4px 4px 4px 4px rgb(63, 57,  
221) }
```

Background

The CSS property to change the background color of an element to YIQ 77.4900, -49.0680, 52.2760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 57, 221) }
```

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

```
.background{ background-color: rgb(63, 57,  
221) }
```

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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