

Converting Colors

YIQ(99.5060, -37.9700, 38.3660)

Have a look what the booklet for
YIQ(99.5060, -37.9700, 38.3660)
contains.

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Color

**YIQ(99.5060, -37.9700,
38.3660)**

Conversions

Conversions Part 1

Format	Color
Hex	5755CF
RGB	87, 85, 207
RGB Percent	34%, 33%, 81%
CMY	0.6587, 0.6667, 0.1885
CMYK	0.58, 0.59, 0.00, 0.19
HSL	241°, 56%, 57%
HSV	241°, 59%, 81%
XYZ	18.4357, 13.0261, 60.5340
YIQ	99.5060, -37.9700, 38.3660

Conversions

Conversions Part 2

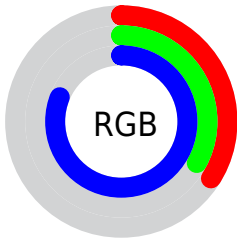
Format	Color
R_{YB}	87, 85, 207
Decimal	5723599
CIE _{Lab}	42.80, 35.97, -63.07
CIE _{LCh}	43, 72.607, 299.698
Yxy	13.0261, 0.2004, 0.1416
Android (android.graphics.Color)	4283913679 (0xFF5755CF)
YUV	99.5060, 52.9945, -10.9678
Hunter-Lab	36.0917, 28.0178, -74.1788

Details

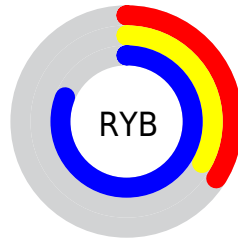
The YIQ color **99.5060, -37.9700, 38.3660** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted blue. A complement of this color would be **192.4940, 37.9700, -38.3660**, and the grayscale version is **99.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **152.2680, -31.3680, 39.8640**, and **41.1070, -59.1960, 26.5640** is the 20% darker color. If you saturate the color by 10%, you get **81.1990, -44.1150, 45.1090**, and if you desaturate by 10%, it is **117.8130, -31.8250, 31.6230**.

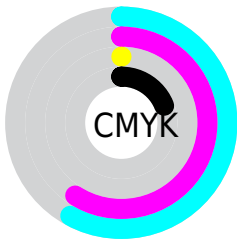
Distribution



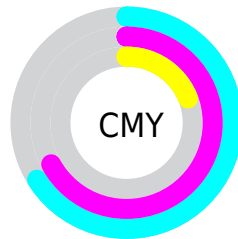
- Red (34%)
- Green (33%)
- Blue (81%)



- Red (34%)
- Yellow (33%)
- Blue (81%)



- Cyan (58%)
- Magenta (59%)
- Yellow (0%)
- Black (19%)



- Cyan (66%)
- Magenta (67%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 99.5060, -37.9700, 38.3660 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 99.5060, -37.9700, 38.3660 by changing the saturation by 10% instead.

■ 99.5060, -37.9700,
38.3660

■ 99.5060, -37.9700,
38.3660

■ 255.0000, -0.0000,
-0.0000

■ 72.9460, -42.3250,
34.6910

■ 152.2680,
-31.3680, 39.8640

■ 41.1070, -59.1960,
26.5640

■ 176.2010,
-21.2340, 32.4140

■ 25.4030, -45.3500,
28.9380

■ 201.0200,
-10.7790, 24.6530

■ 11.2860, -31.7790,
30.7890

■ 226.4260, -0.5990,
16.3690

■ 11.3710, -25.1290,
20.3990

■ 249.1300, 2.7500,
5.2300

■ 8.1620, -17.4710,
13.7690

■ 4.4800, -9.8590,

7.9730

■ 0.0000, 0.0000,
0.0000

■ 99.5060, -37.9700,
38.3660

■ 99.5060, -37.9700,
38.3660

■ 81.1990, -44.1150,
45.1090

■ 117.8130,
-31.8250, 31.6230

■ 63.1800, -51.1310,
51.1170

■ 135.8320,
-24.8090, 25.6150

■ 44.8730, -57.2760,
57.8600

■ 154.1390,
-18.6640, 18.8720

■ 26.5660, -63.4210,
64.6030

■ 172.4460,
-12.5190, 12.1290

■ 24.4950, -64.6590,
65.0130

■ 190.4650, -5.5030,
6.1210

■ 208.7720, 0.6420,
-0.6220

■ 227.0790, 6.7870,
-7.3650

■ 245.6850, 13.5280,
-13.8960

■ 249.5280, 15.4080,
-14.9280

Harmonies

Analogous

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



89.9920, -101.8330, 11.8230



99.5060, -37.9700, 38.3660



95.8270, 36.6220, 63.1980

Triad

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



99.5060, -37.9700, 38.3660



92.7950, 80.9240, -1.8280



84.6610, -66.1540, -34.5860

Complementary

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



99.5060, -37.9700, 38.3660



192.4940, 37.9700, -38.3660

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.



75.3760, -44.1430, -53.5430



99.5060, -37.9700, 38.3660



95.1890, 46.6790, -25.4890

Square

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



99.5060, -37.9700, 38.3660



81.4690, 95.2670, 41.1150



85.7550, 6.1980, -46.2660



92.2020, -86.0100, -16.1380

Rectangle

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



99.5060, -37.9700, 38.3660



72.4410, 76.4160, 79.9040



85.7550, 6.1980, -46.2660



82.2670, -59.4130, -41.1170

Sweetspot

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



99.5060, -37.9700, 38.3660



214.5430, -14.1700, 14.5180



170.5220, -72.7120, -25.8640



102.6050, -8.7130, 9.2310



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.



99.5060, -37.9700, 38.3660



95.5310, -56.3130, 56.9270



117.1470, -2.8060, 50.8740



95.2540, -3.5310, 3.4210



20.0490, -52.1400, 52.8840



4.9730, -12.5650, 12.9630

Inverse Universe

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



135.1580, 34.1920, 63.1840



148.4110, 50.7380, 93.7300



174.8530, 2.8060, -50.8740



98.4290, 3.3460, 5.4420



69.1560, 46.8420, 87.2420



16.8190, 11.5960, 21.1320

Previews

White Background



This preview shows how the YIQ color 99.5060, -37.9700, 38.3660 looks on a white background.

Color Contrast Check

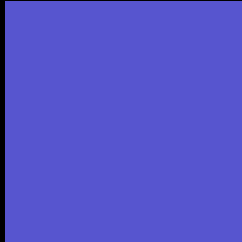
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 99.5060, -37.9700, 38.3660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

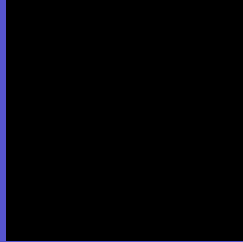
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 99.5060, -37.9700, 38.3660

Background



This preview shows how black text looks on a background with the YIQ color 99.5060, -37.9700, 38.3660.



This preview shows how white text looks on a background with the YIQ color 99.5060, -37.9700,

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

99.5060, -37.9700, 38.3660

Protanopia

80.4230, -92.8010, 13.3350

Deuteranopia

80.7530, -85.4630, 1.4890



Tritanopia

92.3850, -38.0530, -9.7090

Trichromacy



Original Color

99.5060, -37.9700, 38.3660

Protanomaly

87.6430, -72.6290, 22.2110

Deuteranomaly

87.4660, -67.9970, 15.3550

Tritanomaly

94.6370, -38.1020, 7.7060

Monochromacy



Original Color

99.5060, -37.9700, 38.3660

Achromatopsia

100.0000, -0.0000, -0.0000

Achromatomaly

100.0160, -14.1240, 13.6840

CSS Examples

Text

The CSS property to change the color of the text to YIQ 99.5060, -37.9700, 38.3660 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(87, 85, 207)` looks like.

```
.text, #text, p{  
    color:rgb(87, 85, 207)  
}
```

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(87, 85, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 85, 207) }
```

Border

The CSS property to change the border of an element to YIQ 99.5060, -37.9700, 38.3660 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(87, 85, 207) }
```


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

```
.border{ border-color:rgb(87, 85, 207) }
```

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

Here you see how a box with a 4 pixel rgb(87, 85, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 85, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 85, 207);  
box-shadow:4px 4px 4px 4px rgb(87, 85,  
207) }
```

Background

The CSS property to change the background color of an element to YIQ 99.5060, -37.9700, 38.3660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 85, 207) }
```

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

```
.background{ background-color: rgb(87, 85,  
207) }
```

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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