

Converting Colors

YIQ(35.7770, -39.0300, 68.6020)

Have a look what the booklet for
YIQ(35.7770, -39.0300, 68.6020)
contains.

YIQ(35.7770, -39.0300, 68.6020)	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(35.7770, -39.0300,
68.6020)**

Conversions

Conversions Part 1

Format	Color
Hex	2902C4
RGB	41, 2, 196
RGB Percent	16%, 1%, 77%
CMY	0.8390, 0.9923, 0.2317
CMYK	0.79, 0.99, 0.00, 0.23
HSL	252°, 98%, 39%
HSV	252°, 99%, 77%
XYZ	10.8931, 4.4976, 52.4721
YIQ	35.7770, -39.0300, 68.6020

Conversions

Conversions Part 2

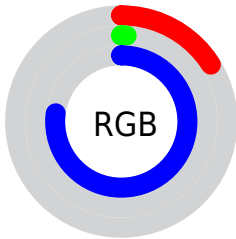
Format	Color
R _Y B	41, 2, 196
Decimal	2687684
CIE Lab	25.25, 65.06, -85.68
CIE LCh	25, 107.578, 307.211
Yxy	4.4976, 0.1605, 0.0663
Android (android.graphics.Color)	4280877764 (0xFF2902C4)
YUV	35.7770, 78.9899, 4.5806
Hunter-Lab	21.2075, 54.5722, -131.8514

Details

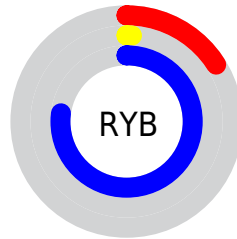
The YIQ color **35.7770, -39.0300, 68.6020** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **162.2230, 39.0300, -68.6020**, and the grayscale version is **35.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **102.0940, -29.6770, 69.8030**, and **15.9600, -44.9400, 43.5400** is the 20% darker color. If you saturate the color by 10%, you get **34.0050, -39.6720, 69.2240**, and if you desaturate by 10%, it is **52.3010, -34.9940, 61.5340**.

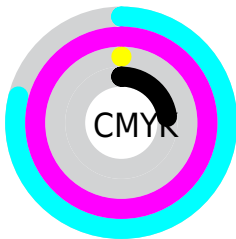
Distribution



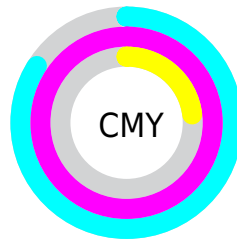
- Red (16%)
- Green (1%)
- Blue (77%)



- Red (16%)
- Yellow (1%)
- Blue (77%)



- Cyan (79%)
- Magenta (99%)
- Yellow (0%)
- Black (23%)



- Cyan (84%)
- Magenta (99%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 35.7770, -39.0300, 68.6020 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 35.7770, -39.0300, 68.6020 by changing the saturation by 10% instead.

■ 35.7770, -39.0300,
68.6020

■ 35.7770, -39.0300,
68.6020

■ 255.0000, -0.0000,
-0.0000

■ 19.1520, -53.9280,
52.2480

■ 102.0940,
-29.6770, 69.8030

■ 15.9600, -44.9400,
43.5400

■ 127.6250,
-18.3510, 62.7770

■ 12.9960, -36.5940,
35.4540

■ 152.1560, -7.0250,
55.7510

■ 16.4890, -31.2730,
21.6150

■ 177.2740, 4.0260,
48.2020

■ 11.4050, -22.4690,
16.2430

■ 202.9790, 14.8020,
40.1300

■ 6.4350, -13.9860,
11.1820


■ 223.3020, 14.8500,


■ 2.7530, -6.3740,


28.2420


5.3860


 240.3250, 6.8750,
13.0750


 0.0000, 0.0000,
0.0000


 35.7770, -39.0300,
68.6020


 35.7770, -39.0300,
68.6020


 34.0050, -39.6720,
69.2240

 52.3010, -34.9940,
61.5340

 67.9390, -31.2790,
54.7770

 84.4630, -27.2430,
47.7090

 100.4000,
-22.9320, 41.1640

 116.6250,
-19.4920, 33.8840

■ 133.1490,
-15.4560, 26.8160

■ 149.0860,
-11.1450, 20.2710

■ 165.3110, -7.7050,
12.9910

■ 181.2480, -3.3940,
6.4460

Harmonies

Analogous

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



68.7120, -94.2720, 34.4960



35.7770, -39.0300, 68.6020



62.3890, 55.8310, 73.0070

Triad

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



35.7770, -39.0300, 68.6020



47.3320, 66.8910, 15.7150



57.7270, -48.1840, -18.8400

Complementary

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



35.7770, -39.0300, 68.6020



162.2230, 39.0300, -68.6020

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.



47.5470, -22.2750, -42.3630



35.7770, -39.0300, 68.6020



54.3120, 15.7760, -21.6000

Square

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



35.7770, -39.0300, 68.6020



49.6340, 98.9360, 35.1920



45.1990, -21.1750, -40.2710



68.8360, -75.3310, 5.0930

Rectangle

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



35.7770, -39.0300, 68.6020



62.9250, 85.9560, 61.1880



45.1990, -21.1750, -40.2710



54.4210, -38.8750, -27.8590

Sweetspot

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



35.7770, -39.0300, 68.6020



192.1490, -15.4560, 26.8160



115.1010, -104.8990, -20.7310



89.9350, -9.4020, 16.2140



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.



35.7770, -39.0300, 68.6020



44.3190, -51.4590, 90.1170



64.7800, 18.7820, 89.1660



88.7380, -2.0180, 3.5340



27.9220, -32.6090, 56.8550



5.8550, -6.4210, 11.7470

Inverse Universe

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



77.6760, 65.8690, 89.3330



99.5010, 86.4960, 117.5040



133.2200, -18.7820, -89.1660



90.9020, 3.3920, 4.6080



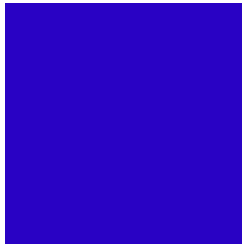
62.7310, 54.8680, 73.9400



12.8310, 11.3220, 15.0820

Previews

White Background



This preview shows how the YIQ color 35.7770, -39.0300, 68.6020 looks on a white background.

Color Contrast Check

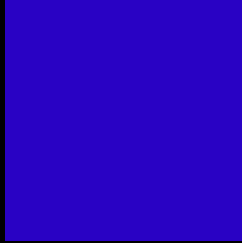
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.7770, -39.0300, 68.6020 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 35.7770, -39.0300, 68.6020

Background



This preview shows how black text looks on a background with the YIQ color 35.7770, -39.0300, 68.6020.



This preview shows how white text looks on a background with the YIQ color 35.7770, -39.0300,

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

35.7770, -39.0300, 68.6020

Protanopia

49.4700, -56.6250, 7.4950

Deuteranopia

49.6520, -51.6260, -0.5060



Tritanopia

48.7110, -42.0870, -13.6950

Trichromacy



Original Color

35.7770, -39.0300, 68.6020

Protanomaly

44.5920, -50.2560, 29.7440

Deuteranomaly

44.3980, -46.9540, 24.9660

Tritanomaly

44.2380, -40.9920, 16.0320

Monochromacy



Original Color

35.7770, -39.0300, 68.6020

Achromatopsia

36.0000, -0.0000, 0.0000

Achromatomaly

36.1660, -14.1260, 24.7380

CSS Examples

Text

The CSS property to change the color of the text to YIQ 35.7770, -39.0300, 68.6020 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(41, 2, 196)` looks like.

```
.text, #text, p{  
    color:rgb(41, 2, 196)  
}
```

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(41, 2, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 2, 196) }
```

Border

The CSS property to change the border of an element to YIQ 35.7770, -39.0300, 68.6020 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(41, 2, 196) }
```


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

```
.border{ border-color:rgb(41, 2, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 2, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 2, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 2, 196);  
box-shadow:4px 4px 4px 4px rgb(41, 2, 196)  
}
```

Background

The CSS property to change the background color of an element to YIQ 35.7770, -39.0300, 68.6020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 2, 196) }
```

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

```
.background{ background-color: rgb(41, 2,  
196) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor