

Converting Colors

YIQ(51.3450, -56.6300, 35.1300)

Have a look what the booklet for
YIQ(51.3450, -56.6300, 35.1300)
contains.

YIQ(51.3450, -56.6300, 35.1300)	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(51.3450, -56.6300,
35.1300)**

Conversions

Conversions Part 1

Format	Color
Hex	132CAE
RGB	19, 44, 174
RGB Percent	7%, 17%, 68%
CMY	0.9254, 0.8274, 0.3180
CMYK	0.89, 0.75, 0.00, 0.32
HSL	230°, 80%, 38%
HSV	230°, 89%, 68%
XYZ	8.8016, 4.9934, 40.5019
YIQ	51.3450, -56.6300, 35.1300

Conversions

Conversions Part 2

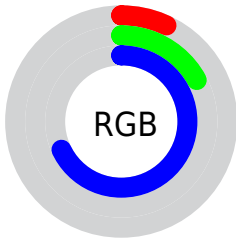
Format	Color
R_{YB}	19, 41, 174
Decimal	1256622
CIE _{Lab}	26.72, 42.09, -70.19
CIE _{LCh}	27, 81.840, 300.950
Yxy	4.9934, 0.1621, 0.0920
Android (android.graphics.Color)	4279446702 (0xFF132CAE)
YUV	51.3450, 60.4689, -28.3666
Hunter-Lab	22.3460, 31.2021, -91.8205

Details

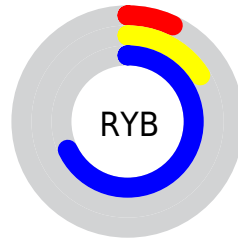
The YIQ color **51.3450, -56.6300, 35.1300** is a dark color, and the websafe version is hex **0033CC**. A complement of this color would be **141.6550, 56.6300, -35.1300**, and the grayscale version is **51.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **109.3520, -40.1720, 45.2360**, and **16.0280, -39.6200, 35.2280** is the 20% darker color. If you saturate the color by 10%, you get **37.4570, -62.6370, 39.3710**, and if you desaturate by 10%, it is **65.2330, -50.6230, 30.8890**.

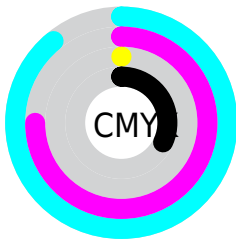
Distribution



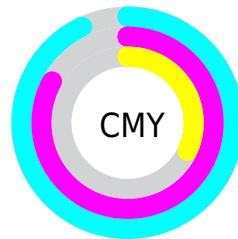
- Red (7%)
- Green (17%)
- Blue (68%)



- Red (7%)
- Yellow (16%)
- Blue (68%)



- Cyan (89%)
- Magenta (75%)
- Yellow (0%)
- Black (32%)



- Cyan (93%)
- Magenta (83%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 51.3450, -56.6300, 35.1300 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 51.3450, -56.6300, 35.1300 by changing the saturation by 10% instead.

■ 51.3450, -56.6300,
35.1300

■ 51.3450, -56.6300,
35.1300

■ 255.0000, -0.0000,
-0.0000

■ 30.2590, -53.5120,
33.6880

■ 109.3520,
-40.1720, 45.2360

■ 16.0280, -39.6200,
35.2280

■ 135.7330,
-36.8710, 45.9850

■ 10.7160, -30.1740,
29.2340

■ 159.6770,
-25.2700, 39.4820

■ 12.6760, -24.6700,
17.5860

■ 184.4960,
-14.8150, 31.7210

■ 7.5920, -15.8660,
12.2140

■ 209.3150, -4.3600,
23.9600

■ 3.4370, -8.3000,
7.2520

■ 234.7210, 5.8200,

■ 0.0000, 0.0000,

15.6760

0.0000

253.2390, 0.8250,
1.5690

■ 51.3450, -56.6300,
35.1300

■ 51.3450, -56.6300,
35.1300

■ 37.4570, -62.6370,
39.3710

■ 65.2330, -50.6230,
30.8890

■ 36.2720, -63.5540,
39.4700

■ 78.8330, -43.7450,
27.3830

■ 92.7210, -37.7380,
23.1420

■ 106.3210,
-30.8600, 19.6360

■ 120.2090,
-24.8530, 15.3950

■ 134.0970,
-18.8460, 11.1540

■ 147.6970,
-11.9680, 7.6480

■ 161.5850, -5.9610,
3.4070

■ 175.1850, 0.9170,
-0.0990

Harmonies

Analogous

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



65.4400, -82.3030, 21.3210



51.3450, -56.6300, 35.1300



54.0170, 39.1430, 67.0710

Triad

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



51.3450, -56.6300, 35.1300



52.6260, 65.8830, 11.9550



56.6040, -43.6440, -24.0280

Complementary

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



51.3450, -56.6300, 35.1300



141.6550, 56.6300, -35.1300

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.



48.1340, -22.5500, -42.8860



51.3450, -56.6300, 35.1300



59.4170, 28.8420, -16.1020

Square

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



51.3450, -56.6300, 35.1300



46.3450, 92.3800, 32.8600



44.6120, -20.9000, -39.7480



64.3730, -64.1420, -4.9580

Rectangle

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



51.3450, -56.6300, 35.1300



56.6330, 66.2870, 59.7190



44.6120, -20.9000, -39.7480



53.3950, -35.9860, -30.6580

Sweetspot

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



51.3450, -56.6300, 35.1300



178.8240, -22.3310, 13.7410



124.6910, -84.0340, -40.9460



85.7400, -13.5270, 8.3690



242.0000, -0.0000, 0.0000



115.0000, -0.0000, 0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.3450, -56.6300, 35.1300



47.5970, -83.0420, 51.2460



52.2180, -18.7630, 59.2290



79.6130, -3.1640, 2.2760



31.1880, -54.7500, 34.0980



4.9700, -8.4830, 5.0610

Inverse Universe

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



68.1950, 84.3550, 40.6350



72.0910, 123.4150, 59.6310



140.7820, 18.7630, -59.2290



80.8050, 5.0430, 2.2190



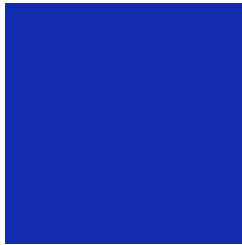
47.5860, 81.6960, 39.2640



7.3330, 12.4240, 6.1200

Previews

White Background



This preview shows how the YIQ color 51.3450, -56.6300, 35.1300 looks on a white background.

Color Contrast Check

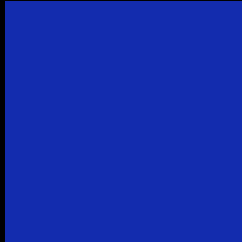
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.3450, -56.6300, 35.1300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

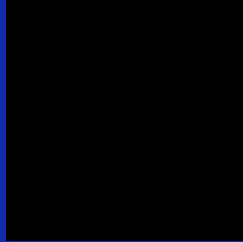
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 51.3450, -56.6300, 35.1300

Background



This preview shows how black text looks on a background with the YIQ color 51.3450, -56.6300, 35.1300.



This preview shows how white text looks on a background with the YIQ color 51.3450, -56.6300,

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

51.3450, -56.6300, 35.1300

Protanopia

50.5130, -58.1840, 8.2160

Deuteranopia

50.5810, -52.8640, -0.0960



Tritanopia

49.5260, -43.0040, -13.5960

Trichromacy



Original Color

51.3450, -56.6300, 35.1300

Protanomaly

50.9080, -57.4980, 17.8140

Deuteranomaly

50.7140, -54.1960, 13.0360

Tritanomaly

50.4400, -47.9130, 3.7910

Monochromacy



Original Color

51.3450, -56.6300, 35.1300

Achromatopsia

51.0000, -0.0000, -0.0000

Achromatomaly

50.7810, -20.7720, 13.0200

CSS Examples

Text

The CSS property to change the color of the text to YIQ 51.3450, -56.6300, 35.1300 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(19, 44, 174)` looks like.

```
.text, #text, p{  
    color:rgb(19, 44, 174)  
}
```

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(19, 44, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 44, 174) }
```

Border

The CSS property to change the border of an element to YIQ 51.3450, -56.6300, 35.1300 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(19, 44, 174) }
```


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

```
.border{ border-color:rgb(19, 44, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 44, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 44, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 44, 174);  
box-shadow:4px 4px 4px 4px rgb(19, 44,  
174) }
```

Background

The CSS property to change the background color of an element to YIQ 51.3450, -56.6300, 35.1300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 44, 174) }
```

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

```
.background{ background-color: rgb(19, 44,  
174) }
```

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