

Converting Colors

YIQ(35.5930, -58.8830, 70.4690)

Have a look what the booklet for
YIQ(35.5930, -58.8830, 70.4690)
contains.

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Color

**YIQ(35.5930, -58.8830,
70.4690)**

Conversions

Conversions Part 1

Format	Color
Hex	1706DD
RGB	23, 6, 221
RGB Percent	9%, 2%, 87%
CMY	0.9095, 0.9766, 0.1337
CMYK	0.90, 0.97, 0.00, 0.13
HSL	245°, 95%, 44%
HSV	245°, 97%, 87%
XYZ	13.4570, 5.5278, 68.6931
YIQ	35.5930, -58.8830, 70.4690

Conversions

Conversions Part 2

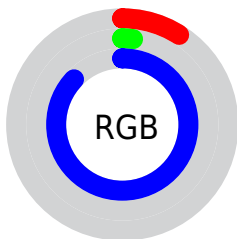
Format	Color
R_{YB}	23, 6, 221
Decimal	1509085
CIE _{Lab}	28.19, 70.13, -95.35
CIE _{LCh}	28, 118.361, 306.336
Yxy	5.5278, 0.1535, 0.0630
Android (android.graphics.Color)	4279699165 (0xFF1706DD)
YUV	35.5930, 91.4057, -11.0441
Hunter-Lab	23.5113, 61.0218, -156.7700

Details

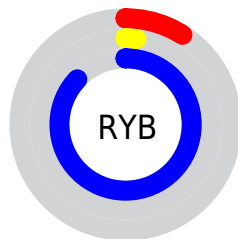
The YIQ color **35.5930, -58.8830, 70.4690** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **191.4070, 58.8830, -70.4690**, and the grayscale version is **35.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **104.2570, -31.6940, 67.8100**, and **18.6960, -52.6440, 51.0040** is the 20% darker color. If you saturate the color by 10%, you get **30.5760, -60.2130, 72.5470**, and if you desaturate by 10%, it is **54.4870, -53.0130, 63.2030**.

Distribution



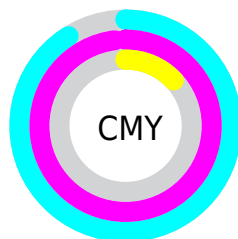
- Red (9%)
- Green (2%)
- Blue (87%)



- Red (9%)
- Yellow (2%)
- Blue (87%)



- Cyan (90%)
- Magenta (97%)
- Yellow (0%)
- Black (13%)



- Cyan (91%)
- Magenta (98%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 35.5930, -58.8830, 70.4690 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 35.5930, -58.8830, 70.4690 by changing the saturation by 10% instead.

■ 35.5930, -58.8830,
70.4690

■ 35.5930, -58.8830,
70.4690

■ 255.0000, -0.0000,
-0.0000

■ 21.8880, -61.6320,
59.7120

■ 104.2570,
-31.6940, 67.8100

■ 18.6960, -52.6440,
51.0040

■ 130.2720,
-18.8550, 60.8970

■ 15.6180, -43.9770,
42.6070

■ 155.6890, -7.2080,
53.5600

■ 15.4750, -36.6850,
31.5950

■ 181.1060, 4.4390,
46.2230

■ 16.0330, -29.9890,
20.3710

■ 207.1100, 15.8110,
38.3630

■ 10.3620, -20.9100,
15.5220


■ 226.2370, 13.4750,

■ 5.3920, -12.4270,


25.6270


10.4610


 243.2600, 5.5000,
10.4600


 2.1830, -4.7690,
3.8310


 0.0000, 0.0000,
0.0000


 35.5930, -58.8830,
70.4690


 35.5930, -58.8830,
70.4690

 30.5760, -60.2130,
72.5470

 54.4870, -53.0130,
63.2030

 73.6800, -46.5470,
56.1490

 92.5740, -40.6770,
48.8830

 111.4680,
-34.8070, 41.6170

■ 130.6610,
-28.3410, 34.5630

■ 150.1420,
-22.7460, 26.7740

■ 169.0360,
-16.8760, 19.5080

■ 188.2290,
-10.4100, 12.4540

■ 207.1230, -4.5400,
5.1880

Harmonies

Analogous

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



76.6170, -104.1300, 36.9420



35.5930, -58.8830, 70.4690



69.4100, 60.5060, 81.8980

Triad

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



35.5930, -58.8830, 70.4690



48.8820, 77.2060, 21.5100



63.6940, -52.5850, -21.6810

Complementary

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



35.5930, -58.8830, 70.4690



191.4070, 58.8830, -70.4690

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.



52.2430, -24.4750, -46.5470



35.5930, -58.8830, 70.4690



61.1120, 19.2150, -23.3530

Square

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



35.5930, -58.8830, 70.4690



55.6140, 110.8560, 39.4320



49.8950, -23.3750, -44.4550



75.9430, -82.9420, 5.3620

Rectangle

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



35.5930, -58.8830, 70.4690



70.1590, 94.3450, 68.8490



49.8950, -23.3750, -44.4550



59.4590, -42.0380, -31.1100

Sweetspot

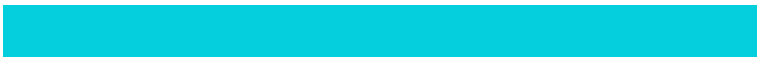
The Sweet Spot groups the original color and five complimentary colors.



35.5930, -58.8830, 70.4690



191.2300, -20.1780, 24.2860



148.4970, -124.2900, -38.2580



89.0270, -12.6570, 14.6310



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.



35.5930, -58.8830, 70.4690



35.0500, -69.9350, 83.5450



66.9880, 3.6970, 92.7290



100.5530, -2.9350, 3.6330



23.9080, -47.1890, 56.7710



6.4400, -12.3820, 15.1540

Inverse Universe

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



92.8570, 64.5820, 107.1580



103.0350, 76.5450, 127.1450



160.0120, -3.6970, -92.7290



103.4290, 3.3460, 5.4420



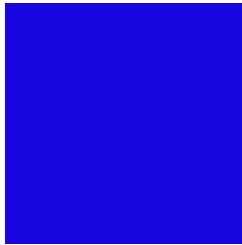
69.9670, 51.7480, 86.4360



18.5420, 13.9340, 22.8140

Previews

White Background



This preview shows how the YIQ color 35.5930, -58.8830, 70.4690 looks on a white background.

Color Contrast Check

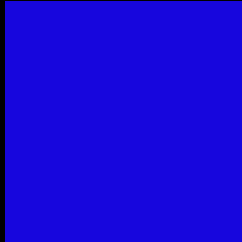
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.5930, -58.8830, 70.4690 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 35.5930, -58.8830, 70.4690

Background



This preview shows how black text looks on a background with the YIQ color 35.5930, -58.8830, 70.4690.



This preview shows how white text looks on a background with the YIQ color 35.5930, -58.8830,

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

35.5930, -58.8830, 70.4690

Protanopia

53.7730, -61.8520, 8.6120

Deuteranopia

54.3140, -56.4860, -0.5340



Tritanopia

52.9170, -45.6630, -14.9670

Trichromacy



Original Color

35.5930, -58.8830, 70.4690

Protanomaly

47.3720, -61.2600, 30.9320

Deuteranomaly

47.5370, -57.5910, 25.0090

Tritanomaly

46.5620, -50.7120, 15.9760

Monochromacy



Original Color

35.5930, -58.8830, 70.4690

Achromatopsia

36.0000, -0.0000, 0.0000

Achromatomaly

35.6860, -21.4620, 25.5300

CSS Examples

Text

The CSS property to change the color of the text to YIQ 35.5930, -58.8830, 70.4690 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(23, 6, 221)` looks like.

```
.text, #text, p{  
    color:rgb(23, 6, 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(23, 6, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 6, 221) }
```

Border

The CSS property to change the border of an element to YIQ 35.5930, -58.8830, 70.4690 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(23, 6, 221) }
```


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

```
.border{ border-color:rgb(23, 6, 221) }
```

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

Here you see how a box with a 4 pixel rgb(23, 6, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 6, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 6, 221);  
box-shadow:4px 4px 4px 4px rgb(23, 6, 221)  
}
```

Background

The CSS property to change the background color of an element to YIQ 35.5930, -58.8830, 70.4690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 6, 221) }
```

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

```
.background{ background-color: rgb(23, 6,  
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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