

Converting Colors

YIQ(61.8870, -33.5280, 68.0080)

Have a look what the booklet for
YIQ(61.8870, -33.5280, 68.0080)
contains.

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Color

**YIQ(61.8870, -33.5280,
68.0080)**

Conversions

Conversions Part 1

Format	Color
Hex	481BD7
RGB	72, 27, 215
RGB Percent	28%, 11%, 84%
CMY	0.7174, 0.8942, 0.1571
CMYK	0.66, 0.87, 0.00, 0.16
HSL	254°, 78%, 47%
HSV	254°, 87%, 84%
XYZ	15.3249, 7.0656, 64.7982
YIQ	61.8870, -33.5280, 68.0080

Conversions

Conversions Part 2

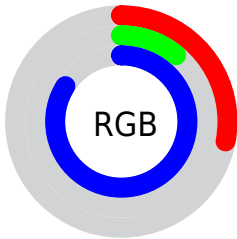
Format	Color
R_{YB}	72, 27, 215
Decimal	4725719
CIE _{Lab}	31.96, 65.43, -85.55
CIE _{LCh}	32, 107.701, 307.412
Yxy	7.0656, 0.1758, 0.0810
Android (android.graphics.Color)	4282915799 (0xFF481BD7)
YUV	61.8870, 75.4847, 8.8691
Hunter-Lab	26.5812, 56.3938, -125.9273

Details

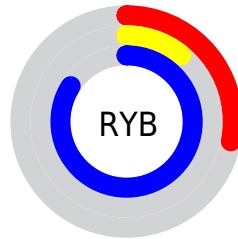
The YIQ color **61.8870, -33.5280, 68.0080** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **180.1130, 33.5280, -68.0080**, and the grayscale version is **61.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **118.7650, -21.5610, 65.8870**, and **18.1260, -51.0390, 49.4490** is the 20% darker color. If you saturate the color by 10%, you get **44.1890, -37.0140, 76.1220**, and if you desaturate by 10%, it is **78.9980, -29.7670, 60.4170**.

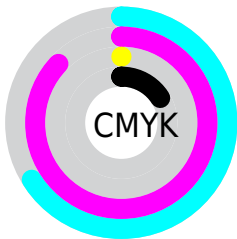
Distribution



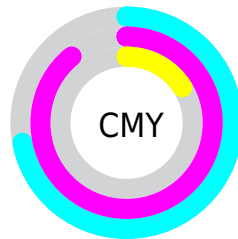
- Red (28%)
- Green (11%)
- Blue (84%)



- Red (28%)
- Yellow (11%)
- Blue (84%)



- Cyan (66%)
- Magenta (87%)
- Yellow (0%)
- Black (16%)



- Cyan (72%)
- Magenta (89%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 61.8870, -33.5280, 68.0080 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 61.8870, -33.5280, 68.0080 by changing the saturation by 10% instead.

■ 61.8870, -33.5280,
68.0080

■ 61.8870, -33.5280,
68.0080

■ 255.0000, -0.0000,
-0.0000

■ 28.0810, -45.9980,
62.7220

■ 118.7650,
-21.5610, 65.8870

■ 18.0120, -50.7180,
49.1380

■ 144.1820, -9.9140,
58.5500

■ 14.9340, -42.0510,
40.7410

■ 169.3000, 1.1370,
51.0010

■ 11.9700, -33.7050,
32.6550

■ 194.4180, 12.1880,
43.4520

■ 14.9900, -28.4300,
19.6500

■ 217.4320, 17.6000,
33.4720

■ 9.3190, -19.3510,
14.8010


■ 234.4550, 9.6250,


■ 4.9360, -11.1430,


18.3050


9.2170


 251.4780, 1.6500,
3.1380


 0.7980, -2.2470,
2.1770


 0.0000, 0.0000,
0.0000


 61.8870, -33.5280,
68.0080


 61.8870, -33.5280,
68.0080


 44.1890, -37.0140,
76.1220

 78.9980, -29.7670,
60.4170

 40.0580, -38.0230,
77.8890

 96.9950, -25.6850,
52.5150

 114.1060,
-21.9240, 44.9240

 131.8040,
-18.4380, 36.8100

■ 149.2140,
-14.0810, 29.4310

■ 166.9120,
-10.5950, 21.3170

■ 184.0230, -6.8340,
13.7260

■ 202.0200, -2.7520,
5.8240

■ 219.1310, 1.0090,
-1.7670

Harmonies

Analogous

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



78.5090, -103.9460, 33.6060



61.8870, -33.5280, 68.0080



70.6060, 62.8900, 82.7460

Triad

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



61.8870, -33.5280, 68.0080



65.0520, 73.3110, 9.4950



70.1170, -58.2700, -23.2780

Complementary

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



61.8870, -33.5280, 68.0080



180.1130, 33.5280, -68.0080

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.



58.1130, -27.2250, -51.7770



61.8870, -33.5280, 68.0080



69.0860, 22.1040, -26.1520

Square

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



61.8870, -33.5280, 68.0080



56.5110, 112.6440, 40.0680



55.1780, -25.8500, -49.1620



81.5680, -86.3800, 1.5880

Rectangle

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



61.8870, -33.5280, 68.0080



71.2130, 94.2530, 70.5170



55.1780, -25.8500, -49.1620



66.2240, -48.6860, -31.7740

Sweetspot

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



61.8870, -33.5280, 68.0080



201.3080, -11.6500, 23.9180



132.9600, -99.9480, -16.8440



95.2510, -7.4760, 14.3480



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.



61.8870, -33.5280, 68.0080



47.3090, -45.4990, 92.2370



89.6940, 21.9000, 87.7240



98.1510, -1.7430, 4.0570



31.7530, -30.4550, 61.8730



7.8920, -7.8430, 15.4930

Inverse Universe

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



99.5140, 66.1450, 84.3290



98.3610, 89.7060, 114.3940



152.3060, -21.9000, -87.7240



100.3150, 3.6670, 5.1310



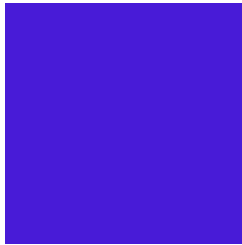
65.9490, 60.1860, 76.6820



16.6190, 15.0350, 19.3790

Previews

White Background



This preview shows how the YIQ color 61.8870, -33.5280, 68.0080 looks on a white background.

Color Contrast Check

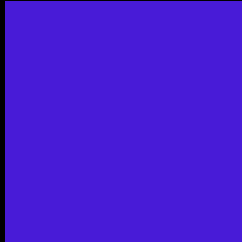
Large Text (above 18pt) WCAG AA ✓ Pass

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 61.8870, -33.5280, 68.0080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

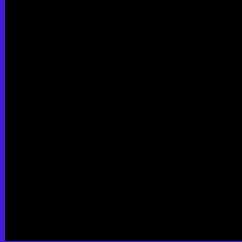
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 61.8870, -33.5280, 68.0080

Background



This preview shows how black text looks on a background with the YIQ color 61.8870, -33.5280, 68.0080.



This preview shows how white text looks on a background with the YIQ color 61.8870, -33.5280,

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

61.8870, -33.5280, 68.0080

Protanopia

60.2930, -69.1880, 9.4040

Deuteranopia

60.6060, -63.1800, -0.3640



Tritanopia

59.4540, -51.6690, -16.2530

Trichromacy



Original Color

61.8870, -33.5280, 68.0080

Protanomaly

60.7100, -56.4000, 30.9600

Deuteranomaly

60.7610, -52.4100, 24.7260

Tritanomaly

60.1450, -45.1640, 14.5480

Monochromacy



Original Color

61.8870, -33.5280, 68.0080

Achromatopsia

62.0000, -0.0000, -0.0000

Achromatomaly

61.9490, -12.0170, 25.0630

CSS Examples

Text

The CSS property to change the color of the text to YIQ 61.8870, -33.5280, 68.0080 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(72, 27, 215)` looks like.

```
.text, #text, p{  
    color:rgb(72, 27, 215)  
}
```

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(72, 27, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 27, 215) }
```

Border

The CSS property to change the border of an element to YIQ 61.8870, -33.5280, 68.0080 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(72, 27, 215) }
```


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

```
.border{ border-color:rgb(72, 27, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 27, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 27, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 27, 215);  
box-shadow:4px 4px 4px 4px rgb(72, 27,  
215) }
```

Background

The CSS property to change the background color of an element to YIQ 61.8870, -33.5280, 68.0080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 27, 215) }
```

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

```
.background{ background-color: rgb(72, 27,  
215) }
```

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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