

Converting Colors

YIQ(33.5250, -47.0080, 70.0160)

Have a look what the booklet for
YIQ(33.5250, -47.0080, 70.0160)
contains.

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Color

**YIQ(33.5250, -47.0080,
70.0160)**

Conversions

Conversions Part 1

Format	Color
Hex	2001CD
RGB	32, 1, 205
RGB Percent	13%, 0%, 80%
CMY	0.8742, 0.9962, 0.1964
CMYK	0.84, 1.00, 0.00, 0.20
HSL	249°, 99%, 40%
HSV	249°, 100%, 80%
XYZ	11.6168, 4.7329, 58.0033
YIQ	33.5250, -47.0080, 70.0160

Conversions

Conversions Part 2

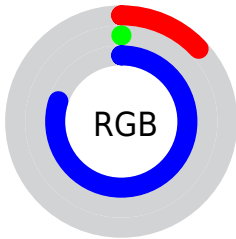
Format	Color
RYB	32, 1, 205
Decimal	2097613
CIELab	25.96, 67.27, -89.78
CIELCh	26, 112.192, 306.843
Yxy	4.7329, 0.1562, 0.0637
Android (android.graphics.Color)	4280287693 (0xFF2001CD)
YUV	33.5250, 84.5372, -1.3374
Hunter-Lab	21.7552, 57.2438, -142.8495

Details

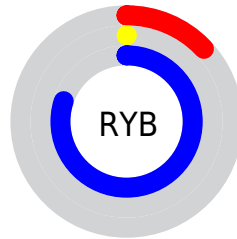
The YIQ color **33.5250, -47.0080, 70.0160** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **172.4750, 47.0080, -70.0160**, and the grayscale version is **33.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **101.6100, -31.1900, 69.6900**, and **16.9860, -47.8290, 46.3390** is the 20% darker color. If you saturate the color by 10%, you get **32.6390, -47.3290, 70.3270**, and if you desaturate by 10%, it is **50.3480, -42.3760, 63.1600**.

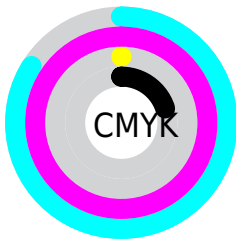
Distribution



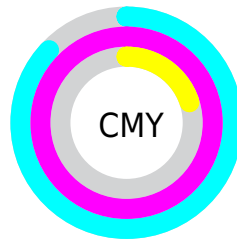
- Red (13%)
- Green (0%)
- Blue (80%)



- Red (13%)
- Yellow (0%)
- Blue (80%)



- Cyan (84%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)



- Cyan (87%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 33.5250, -47.0080, 70.0160 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 33.5250, -47.0080, 70.0160 by changing the saturation by 10% instead.

■ 33.5250, -47.0080,
70.0160

■ 33.5250, -47.0080,
70.0160

■ 255.0000, -0.0000,
-0.0000

■ 20.1780, -56.8170,
55.0470

■ 101.6100,
-31.1900, 69.6900

■ 16.9860, -47.8290,
46.3390

■ 127.3260,
-18.9470, 62.5650

■ 13.9080, -39.1620,
37.9420

■ 152.4440, -7.8960,
55.0160

■ 16.8140, -33.5660,
24.6260

■ 177.8610, 3.7510,
47.6790

■ 12.7900, -24.9910,
17.8970

■ 203.5660, 14.5270,
39.6070

■ 7.8200, -16.5080,
12.8360


■ 223.8890, 14.5750,


■ 3.5510, -8.6210,


27.7190


7.5630


 240.9120, 6.6000,
12.5520


 0.0000, 0.0000,
0.0000


 33.5250, -47.0080,
70.0160


 33.5250, -47.0080,
70.0160


 32.6390, -47.3290,
70.3270

 50.3480, -42.3760,
63.1600

 68.0570, -37.4230,
55.9930

 84.8800, -32.7910,
49.1370

 102.5890,
-27.8380, 41.9700

 119.4120,
-23.2060, 35.1140

■ 136.8220,
-18.8490, 27.7350

■ 153.9440,
-13.6210, 21.0910

■ 171.3540, -9.2640,
13.7120

■ 188.1770, -4.6320,
6.8560

Harmonies

Analogous

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



71.6130, -98.3070, 36.0370



33.5250, -47.0080, 70.0160



64.8670, 57.4810, 76.1450

Triad

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



33.5250, -47.0080, 70.0160



46.4790, 70.9710, 18.8670



59.6020, -49.3300, -20.0980

Complementary

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



33.5250, -47.0080, 70.0160



172.4750, 47.0080, -70.0160

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.



48.7210, -22.8250, -43.4090



33.5250, -47.0080, 70.0160



56.3830, 17.0140, -22.0100

Square

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



33.5250, -47.0080, 70.0160



51.7270, 103.1080, 36.6760



46.3730, -21.7250, -41.3170



71.1670, -77.7610, 5.0790

Rectangle

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



33.5250, -47.0080, 70.0160



65.3600, 89.1650, 63.6050



46.3730, -21.7250, -41.3170



55.5950, -39.4250, -28.9050

Sweetspot

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



33.5250, -47.0080, 70.0160



190.9530, -17.8400, 25.9680



125.8070, -113.0590, -27.0350



89.3370, -10.5940, 15.7900



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.



33.5250, -47.0080, 70.0160



40.7310, -58.6110, 87.5730



64.0230, 13.7840, 91.6400



93.4390, -2.6140, 3.3220



26.3990, -38.3860, 56.9260



6.1260, -8.6220, 13.0900

Inverse Universe

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



81.7180, 66.0510, 97.0510



100.8690, 82.6440, 121.2360



141.9770, -13.7840, -91.6400



95.9020, 3.3920, 4.6080



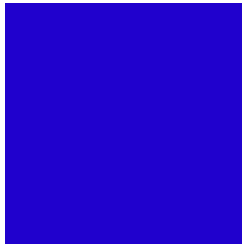
65.5940, 53.9960, 78.7320



15.0100, 12.3760, 18.0080

Previews

White Background



This preview shows how the YIQ color 33.5250, -47.0080, 70.0160 looks on a white background.

Color Contrast Check

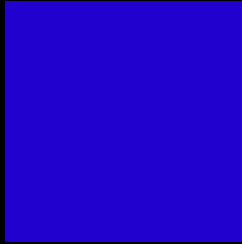
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5250, -47.0080, 70.0160 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 33.5250, -47.0080, 70.0160

Background



This preview shows how black text looks on a background with the YIQ color 33.5250, -47.0080, 70.0160.



This preview shows how white text looks on a background with the YIQ color 33.5250, -47.0080,

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

33.5250, -47.0080, 70.0160

Protanopia

50.3990, -57.8630, 7.9050

Deuteranopia

50.5810, -52.8640, -0.0960



Tritanopia

49.5260, -43.0040, -13.5960

Trichromacy



Original Color

33.5250, -47.0080, 70.0160

Protanomaly

44.2650, -53.6490, 30.6630

Deuteranomaly

44.6580, -50.6220, 25.3620

Tritanomaly

43.9110, -44.3850, 16.9510

Monochromacy



Original Color

33.5250, -47.0080, 70.0160

Achromatopsia

34.0000, -0.0000, 0.0000

Achromatomaly

33.7250, -17.1980, 25.3460

CSS Examples

Text

The CSS property to change the color of the text to YIQ 33.5250, -47.0080, 70.0160 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(32, 1, 205)` looks like.

```
.text, #text, p{  
    color:rgb(32, 1, 205)  
}
```

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(32, 1, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 1, 205) }
```

Border

The CSS property to change the border of an element to YIQ 33.5250, -47.0080, 70.0160 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(32, 1, 205) }
```


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

```
.border{ border-color:rgb(32, 1, 205) }
```

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

Here you see how a box with a 4 pixel rgb(32, 1, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 1, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 1, 205);  
box-shadow:4px 4px 4px 4px rgb(32, 1, 205)  
}
```

Background

The CSS property to change the background color of an element to YIQ 33.5250, -47.0080, 70.0160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 1, 205) }
```

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

```
.background{ background-color: rgb(32, 1,  
205) }
```

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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