

Converting Colors

YIQ(49.5550, -20.1890, 85.0830)

Have a look what the booklet for
YIQ(49.5550, -20.1890, 85.0830)
contains.

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Color

**YIQ(49.5550, -20.1890,
85.0830)**

Conversions

Conversions Part 1

Format	Color
Hex	5300D9
RGB	83, 0, 217
RGB Percent	33%, 0%, 85%
CMY	0.6741, 1.0000, 0.1493
CMYK	0.62, 1.00, 0.00, 0.15
HSL	263°, 100%, 43%
HSV	263°, 100%, 85%
XYZ	16.0909, 6.8493, 66.0764
YIQ	49.5550, -20.1890, 85.0830

Conversions

Conversions Part 2

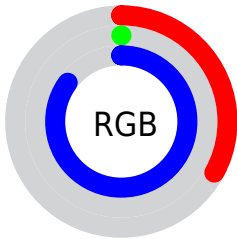
Format	Color
R_{YB}	83, 0, 217
Decimal	5439705
CIE _{Lab}	31.46, 72.02, -87.50
CIE _{LCh}	31, 113.328, 309.460
Yxy	6.8493, 0.1808, 0.0769
Android (android.graphics.Color)	4283629785 (0xFF5300D9)
YUV	49.5550, 82.5504, 29.3313
Hunter-Lab	26.1712, 63.9481, -131.3742

Details

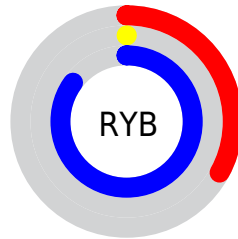
The YIQ color **49.5550, -20.1890, 85.0830** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **167.4450, 20.1890, -85.0830**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **115.8850, -12.8510, 73.2370**, and **18.2400, -51.3600, 49.7600** is the 20% darker color. If you saturate the color by 10%, you get **49.5550, -20.1890, 85.0830**, and if you desaturate by 10%, it is **66.3560, -18.4910, 76.3330**.

Distribution



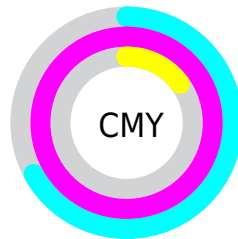
- Red (33%)
- Green (0%)
- Blue (85%)



- Red (33%)
- Yellow (0%)
- Blue (85%)



- Cyan (62%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)



- Cyan (67%)
- Magenta (100%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.5550, -20.1890, 85.0830 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 49.5550, -20.1890, 85.0830 by changing the saturation by 10% instead.

■ 49.5550, -20.1890,
85.0830

■ 49.5550, -20.1890,
85.0830

■ 255.0000, -0.0000,
-0.0000

■ 33.9900, -35.3160,
67.3720

■ 115.8850,
-12.8510, 73.2370

■ 18.2400, -51.3600,
49.7600

■ 141.5900, -2.0750,
65.1650

■ 15.1620, -42.6930,
41.3630

■ 166.7080, 8.9760,
57.6160

■ 12.1980, -34.3470,
33.2770

■ 192.7120, 20.3480,
49.7560

■ 15.6910, -29.0260,
19.4380

■ 212.7360, 19.8000,
37.6560

■ 9.4330, -19.6720,
15.1120


■ 229.7590, 11.8250,

■ 5.1640, -11.7850,


22.4890


9.8390


 247.3690, 3.5750,
6.7990


 1.0260, -2.8890,
2.7990


 0.0000, 0.0000,
0.0000

 49.5550, -20.1890,
85.0830

 66.3560, -18.4910,
76.3330

 82.8690, -15.9220,
68.3180

 99.6700, -14.2240,
59.5680

 116.7700,
-11.9300, 51.0300

■ 132.9840, -9.9570,
42.8030

■ 149.7850, -8.2590,
34.0530

■ 166.8850, -5.9650,
25.5150

■ 183.6860, -4.2670,
16.7650

■ 200.1990, -1.6980,
8.7500

Harmonies

Analogous

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



77.7910, -104.6800, 35.8960



49.5550, -20.1890, 85.0830



72.3570, 68.0250, 83.2970

Triad

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



49.5550, -20.1890, 85.0830



64.7420, 71.2480, 8.3360



70.3280, -60.2420, -20.5780

Complementary

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



49.5550, -20.1890, 85.0830



167.4450, 20.1890, -85.0830

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.



57.5260, -26.9500, -51.2540



49.5550, -20.1890, 85.0830



66.3950, 16.7400, -28.0600

Square

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



49.5550, -20.1890, 85.0830



56.5110, 112.6440, 40.0680



55.1780, -25.8500, -49.1620



82.5940, -89.2690, 4.3870

Rectangle

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



49.5550, -20.1890, 85.0830



72.0240, 99.1590, 69.7110



55.1780, -25.8500, -49.1620



66.6800, -49.9700, -30.5300

Sweetspot

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



49.5550, -20.1890, 85.0830



196.3350, -7.1120, 29.7840



105.1570, -107.3320, -4.1640



92.3270, -4.6340, 17.9100



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.



49.5550, -20.1890, 85.0830



58.3720, -23.4470, 100.0810



80.9500, 42.3910, 107.3430



101.4500, -1.1470, 4.2690



39.4560, -16.1970, 67.7950



10.6260, -4.0380, 18.1220

Inverse Universe

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



80.1590, 86.3180, 87.6780



94.1430, 101.5830, 102.8870



136.0500, -42.3910, -107.3430



102.9730, 4.6300, 4.1980



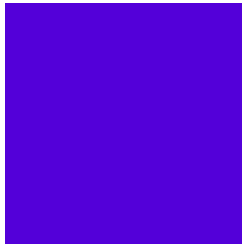
63.9250, 68.7610, 69.9530



16.9460, 18.4280, 18.4600

Previews

White Background



This preview shows how the YIQ color 49.5550, -20.1890, 85.0830 looks on a white background.

Color Contrast Check

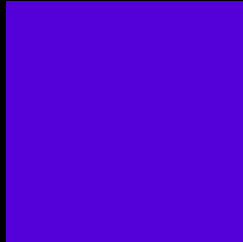
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.5550, -20.1890, 85.0830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

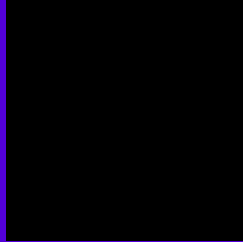
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 49.5550, -20.1890, 85.0830

Background



This preview shows how black text looks on a background with the YIQ color 49.5550, -20.1890, 85.0830.



This preview shows how white text looks on a background with the YIQ color 49.5550, -20.1890,

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

49.5550, -20.1890, 85.0830

Protanopia

60.4070, -69.5090, 9.7150

Deuteranopia

60.7200, -63.5010, -0.0530



Tritanopia

59.6820, -52.3110, -15.6310

Trichromacy



Original Color

49.5550, -20.1890, 85.0830

Protanomaly

56.1500, -51.5870, 37.3490

Deuteranomaly

56.7880, -47.8720, 30.5920

Tritanomaly

55.6990, -40.6720, 21.2480

Monochromacy



Original Color

49.5550, -20.1890, 85.0830

Achromatopsia

50.0000, -0.0000, -0.0000

Achromatomaly

49.9760, -7.4790, 30.9290

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.5550, -20.1890, 85.0830 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(83, 0, 217)` looks like.

```
.text, #text, p{  
    color:rgb(83, 0, 217)  
}
```

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(83, 0, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 0, 217) }
```

Border

The CSS property to change the border of an element to YIQ 49.5550, -20.1890, 85.0830 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(83, 0, 217) }
```


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

```
.border{ border-color:rgb(83, 0, 217) }
```

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

Here you see how a box with a 4 pixel rgb(83, 0, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 0, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 0, 217);  
box-shadow:4px 4px 4px 4px rgb(83, 0, 217)  
}
```

Background

The CSS property to change the background color of an element to YIQ 49.5550, -20.1890, 85.0830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 0, 217) }
```

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

```
.background{ background-color: rgb(83, 0,  
217) }
```

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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