

Converting Colors

YIQ(49.9020, 4.5330, 33.5010)

Have a look what the booklet for
YIQ(49.9020, 4.5330, 33.5010)
contains.

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Color

**YIQ(49.9020, 4.5330,
33.5010)**

Conversions

Conversions Part 1

Format	Color
Hex	4B1B66
RGB	75, 27, 102
RGB Percent	29%, 11%, 40%
CMY	0.7057, 0.8942, 0.6000
CMYK	0.26, 0.74, 0.00, 0.60
HSL	278°, 58%, 25%
HSV	278°, 74%, 40%
XYZ	5.6941, 3.2396, 12.8929
YIQ	49.9020, 4.5330, 33.5010

Conversions

Conversions Part 2

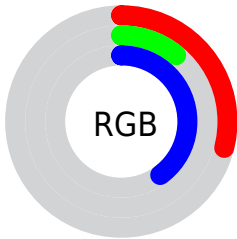
Format	Color
R_{YB}	75, 27, 102
Decimal	4922214
CIE _{Lab}	20.98, 36.25, -34.45
CIE _{LCh}	21, 50.013, 316.456
Yxy	3.2396, 0.2609, 0.1484
Android (android.graphics.Color)	4283112294 (0xFF4B1B66)
YUV	49.9020, 25.6843, 22.0109
Hunter-Lab	17.9988, 24.9724, -29.8715

Details

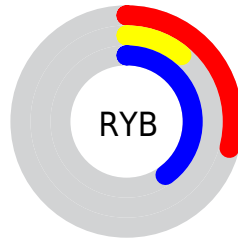
The YIQ color **49.9020, 4.5330, 33.5010** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **79.0980, -4.5330, -33.5010**, and the grayscale version is **50.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **99.5540, 5.6330, 35.5930**, and **15.2400, 0.2250, 23.4650** is the 20% darker color. If you saturate the color by 10%, you get **42.8360, 4.8990, 37.8830**, and if you desaturate by 10%, it is **56.9680, 4.1670, 29.1190**.

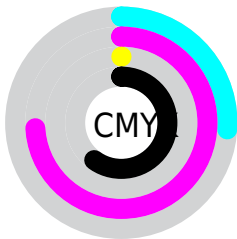
Distribution



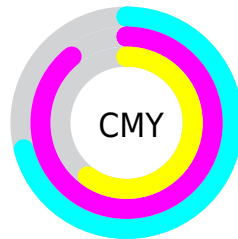
- Red (29%)
- Green (11%)
- Blue (40%)



- Red (29%)
- Yellow (11%)
- Blue (40%)



- Cyan (26%)
- Magenta (74%)
- Yellow (0%)
- Black (60%)



- Cyan (71%)
- Magenta (89%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.9020, 4.5330, 33.5010 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 49.9020, 4.5330, 33.5010 by changing the saturation by 10% instead.

■ 49.9020, 4.5330,
33.5010

■ 49.9020, 4.5330,
33.5010

■ 255.0000, -0.0000,
-0.0000

■ 24.4290, 4.4870,
34.3350

■ 99.5540, 5.6330,
35.5930

■ 15.2400, 0.2250,
23.4650

■ 125.3800, 6.1830,
36.6390

■ 4.8220, -10.8220,
8.9060

■ 151.7930, 6.4580,
37.1620

■ 0.4560, -1.2840,
1.2440

■ 178.7330, 6.6870,
38.5190


■ 0.0000, 0.0000,
0.0000


■ 205.3050, 10.7680,
36.1440


■ 226.8240, 13.2000,


25.1040


 243.8470, 5.2250,
9.9370

 49.9020, 4.5330,
33.5010


 49.9020, 4.5330,
33.5010


 42.8360, 4.8990,
37.8830

 56.9680, 4.1670,
29.1190


 36.0690, 5.8610,
42.4770

 63.7350, 3.2050,
24.5250

 31.0630, 5.9980,
45.5020

 71.3880, 2.5640,
19.6200

 78.4540, 2.1980,
15.2380

 85.2210, 1.2360,
10.6440

■ 92.2870, 0.8700,
6.2620

■ 99.3530, 0.5040,
1.8800

■ 106.7070, -0.7330,
-3.2370

■ 113.7730, -1.0990,
-7.6190

Harmonies

Analogous

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



42.0840, -52.3620, 12.8380



49.9020, 4.5330, 33.5010



39.5600, 41.0270, 43.9310

Triad

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



49.9020, 4.5330, 33.5010



48.2640, 34.0670, -6.1650



46.1350, -40.3450, -12.2250

Complementary

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



49.9020, 4.5330, 33.5010



79.0980, -4.5330, -33.5010

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.



41.2160, -27.8720, -23.5200



49.9020, 4.5330, 33.5010



45.4410, 11.0990, -19.4370

Square

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



49.9020, 4.5330, 33.5010



41.9390, 54.6960, 10.9520



35.8070, -16.7750, -31.9030



49.4240, -50.9840, -1.1280

Rectangle

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



49.9020, 4.5330, 33.5010



38.5040, 52.6280, 37.4280



35.8070, -16.7750, -31.9030



44.7670, -36.4930, -15.9570

Sweetspot

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



49.9020, 4.5330, 33.5010



112.1010, 1.6940, 13.3580



51.3990, -31.5000, 9.2040



54.2270, 1.0990, 7.6190



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000

Same Dimension

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



49.9020, 4.5330, 33.5010



51.7630, 7.1430, 52.2870



56.8350, 23.8350, 36.1150



47.4670, 0.1830, 2.1910



35.2360, 7.1890, 51.4530



73.9330, 14.6980, 108.1220

Inverse Universe

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



52.5030, 36.0330, 24.2970



55.7710, 56.2500, 37.8660



72.1650, -23.8350, -36.1150



47.7230, 2.3380, 1.6820



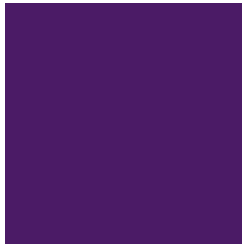
39.0590, 55.3790, 37.1310



82.2760, 116.3050, 78.3610

Previews

White Background



This preview shows how the YIQ color 49.9020, 4.5330, 33.5010 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 49.9020, 4.5330, 33.5010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

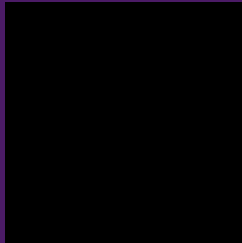
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 49.9020, 4.5330, 33.5010

Background



This preview shows how black text looks on a background with the YIQ color 49.9020, 4.5330, 33.5010.



This preview shows how white text looks on a background with the YIQ color 49.9020, 4.5330,

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

49.9020, 4.5330, 33.5010

Protanopia

41.3200, -47.4550, 6.5050

Deuteranopia

41.5990, -44.1070, 0.8930



Tritanopia

52.3220, 10.9570, 5.1730

Trichromacy



Original Color

49.9020, 4.5330, 33.5010

Protanomaly

44.5830, -28.8420, 16.1020

Deuteranomaly

44.8450, -26.8240, 12.5680

Tritanomaly

51.2760, 8.5710, 15.3790

Monochromacy



Original Color

49.9020, 4.5330, 33.5010

Achromatopsia

50.0000, -0.0000, -0.0000

Achromatomaly

50.1610, 1.4650, 12.0010

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.9020, 4.5330, 33.5010 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(75, 27, 102)` looks like.

```
.text, #text, p{  
    color:rgb(75, 27, 102)  
}
```

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(75, 27, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 27, 102) }
```

Border

The CSS property to change the border of an element to YIQ 49.9020, 4.5330, 33.5010 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(75, 27, 102) }
```


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

```
.border{ border-color:rgb(75, 27, 102) }
```

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

Here you see how a box with a 4 pixel rgb(75, 27, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 27, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 27, 102);  
box-shadow:4px 4px 4px 4px rgb(75, 27,  
102) }
```

Background

The CSS property to change the background color of an element to YIQ 49.9020, 4.5330, 33.5010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 27, 102) }
```

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

```
.background{ background-color: rgb(75, 27,  
102) }
```

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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