

Converting Colors

YIQ(67.9020, 4.5330, 33.5010)

Have a look what the booklet for
YIQ(67.9020, 4.5330, 33.5010)
contains.

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Color

**YIQ(67.9020, 4.5330,
33.5010)**

Conversions

Conversions Part 1

Format	Color
Hex	5D2D78
RGB	93, 45, 120
RGB Percent	36%, 18%, 47%
CMY	0.6351, 0.8236, 0.5295
CMYK	0.22, 0.63, 0.00, 0.53
HSL	278°, 45%, 32%
HSV	278°, 63%, 47%
XYZ	8.8455, 5.5604, 18.3731
YIQ	67.9020, 4.5330, 33.5010

Conversions

Conversions Part 2

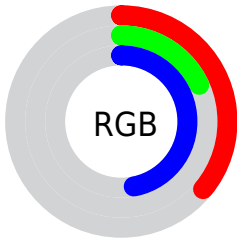
Format	Color
RYB	93, 45, 120
Decimal	6106488
CIELab	28.28, 35.74, -34.18
CIELCh	28, 49.458, 316.279
Yxy	5.5604, 0.2699, 0.1696
Android (android.graphics.Color)	4284296568 (0xFF5D2D78)
YUV	67.9020, 25.6843, 22.0109
Hunter-Lab	23.5804, 25.6934, -29.6905

Details

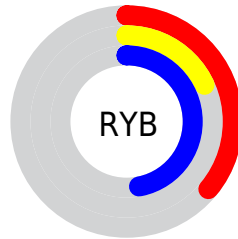
The YIQ color **67.9020, 4.5330, 33.5010** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **97.0980, -4.5330, -33.5010**, and the grayscale version is **68.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **118.5540, 5.6330, 35.5930**, and **20.9510, 2.8370, 31.1970** is the 20% darker color. If you saturate the color by 10%, you get **59.6620, 5.4490, 38.9290**, and if you desaturate by 10%, it is **76.1420, 3.6170, 28.0730**.

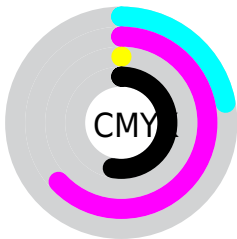
Distribution



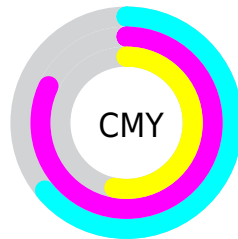
- Red (36%)
- Green (18%)
- Blue (47%)



- Red (36%)
- Yellow (18%)
- Blue (47%)



- Cyan (22%)
- Magenta (63%)
- Yellow (0%)
- Black (53%)



- Cyan (64%)
- Magenta (82%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 67.9020, 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 67.9020, 4.5330, 33.5010 by changing the saturation by 10% instead.

67.9020, 4.5330,
33.5010

67.9020, 4.5330,
33.5010

255.0000, -0.0000,
-0.0000

43.4890, 4.2580,
32.9780

118.5540, 5.6330,
35.5930

20.9510, 2.8370,
31.1970

144.3800, 6.1830,
36.6390

12.3490, -1.7000,
19.8040

171.3200, 6.4120,
37.9960

3.5510, -8.6210,
7.5630

198.5050, 7.3290,
37.8970

0.0000, 0.0000,
0.0000

222.7150, 15.1250,
28.7650

239.1510, 7.4250,

14.1210

■ 67.9020, 4.5330,
33.5010

■ 67.9020, 4.5330,
33.5010

■ 59.6620, 5.4490,
38.9290

■ 76.1420, 3.6170,
28.0730

■ 51.1230, 5.7690,
44.1450

■ 84.6810, 3.2970,
22.8570

■ 42.8830, 6.6850,
49.5730

■ 92.9210, 2.3810,
17.4290

■ 36.7030, 7.3720,
53.6440

■ 101.1610, 1.4650,
12.0010

■ 109.7000, 1.1450,
6.7850

■ 117.9400, 0.2290,
1.3570

■ 126.1800, -0.6870,
-4.0710

■ 134.7190, -1.0070,
-9.2870

■ 142.9590, -1.9230,
-14.7150

Harmonies

Analogous

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



53.6420, -62.8610, 10.3790



67.9020, 4.5330, 33.5010



59.5060, 41.1190, 42.2630

Triad

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



67.9020, 4.5330, 33.5010



63.6360, 41.5870, -10.2930



58.6390, -50.7520, -16.3520

Complementary

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



67.9020, 4.5330, 33.5010



97.0980, -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.



53.4920, -37.6370, -28.2690



67.9020, 4.5330, 33.5010



60.8130, 18.6190, -23.5650

Square

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



67.9020, 4.5330, 33.5010



60.2120, 58.1810, 8.3650



48.2100, -19.7080, -39.3240



61.9280, -61.3910, -5.2550

Rectangle

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



67.9020, 4.5330, 33.5010



54.5260, 55.5620, 39.3220



48.2100, -19.7080, -39.3240



57.1570, -46.5790, -20.3950

Sweetspot

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



67.9020, 4.5330, 33.5010



135.1010, 1.6940, 13.3580



69.3990, -31.5000, 9.2040



66.6400, 1.3740, 8.1420



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000

Same Dimension

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



67.9020, 4.5330, 33.5010



74.7630, 7.1430, 52.2870



74.8350, 23.8350, 36.1150



56.8800, 0.4580, 2.7140



38.1700, 7.5550, 55.8350



77.1660, 15.6600, 112.7160

Inverse Universe

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



70.5030, 36.0330, 24.2970



78.7710, 56.2500, 37.8660



90.1650, -23.8350, -36.1150



57.0220, 2.9340, 1.8940



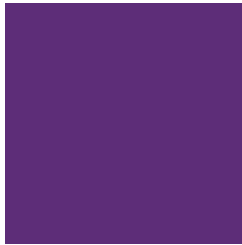
42.5050, 60.0550, 40.4950



85.7220, 120.9810, 81.7250

Previews

White Background



This preview shows how the YIQ color 67.9020, 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



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

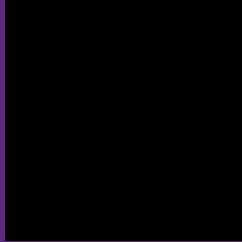
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 67.9020, 4.5330, 33.5010

Background



This preview shows how black text looks on a background with the YIQ color 67.9020, 4.5330, 33.5010.



This preview shows how white text looks on a background with the YIQ color 67.9020, 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

67.9020, 4.5330, 33.5010

Protanopia

53.8870, -62.1730, 8.9230

Deuteranopia

62.4090, -37.4600, 7.0840



Tritanopia

68.4470, 12.1030, 6.4310

Trichromacy



Original Color

67.9020, 4.5330, 33.5010

Protanomaly

59.1460, -37.7370, 17.6150

Deuteranomaly

64.7040, -21.8730, 16.4550

Tritanomaly

68.1020, 9.1210, 16.4250

Monochromacy



Original Color

67.9020, 4.5330, 33.5010

Achromatopsia

68.0000, -0.0000, 0.0000

Achromatomaly

68.1610, 1.4650, 12.0010

CSS Examples

Text

The CSS property to change the color of the text to YIQ 67.9020, 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(93, 45, 120)` looks like.

```
.text, #text, p{  
    color:rgb(93, 45, 120)  
}
```

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(93, 45, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 45, 120) }
```

Border

The CSS property to change the border of an element to YIQ 67.9020, 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(93, 45, 120) }
```


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

```
.border{ border-color:rgb(93, 45, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 45, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 45, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 45, 120);  
box-shadow:4px 4px 4px 4px rgb(93, 45,  
120) }
```

Background

The CSS property to change the background color of an element to YIQ 67.9020, 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(93, 45, 120) }
```

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

```
.background{ background-color: rgb(93, 45,  
120) }
```

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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