

Converting Colors

YIQ(108.6500, 33.2270, 75.1710)

Have a look what the booklet for
YIQ(108.6500, 33.2270, 75.1710)
contains.

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Color

**YIQ(108.6500, 33.2270,
75.1710)**

Conversions

Conversions Part 1

Format	Color
Hex	BB33C8
RGB	187, 51, 200
RGB Percent	73%, 20%, 78%
CMY	0.2662, 0.8002, 0.2157
CMYK	0.06, 0.75, 0.00, 0.22
HSL	295°, 59%, 49%
HSV	295°, 75%, 78%
XYZ	32.1267, 17.1112, 56.2557
YIQ	108.6500, 33.2270, 75.1710

Conversions

Conversions Part 2

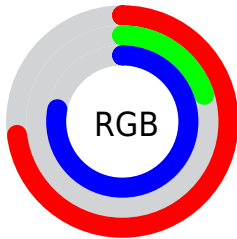
Format	Color
R_{YB}	187, 51, 200
Decimal	12268488
CIE _{Lab}	48.40, 70.71, -49.45
CIE _{LCh}	48, 86.284, 325.033
Yxy	17.1112, 0.3045, 0.1622
Android (android.graphics.Color)	4290458568 (0xFFBB33C8)
YUV	108.6500, 45.0356, 68.7130
Hunter-Lab	41.3657, 66.2420, -51.6760

Details

The YIQ color **108.6500, 33.2270, 75.1710** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted purple. A complement of this color would be **142.3500, -33.2270, -75.1710**, and the grayscale version is **108.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **167.7810, 34.2360, 73.4040**, and **55.1010, 30.3390, 72.4430** is the 20% darker color. If you saturate the color by 10%, you get **96.3120, 37.5350, 85.2070**, and if you desaturate by 10%, it is **120.9880, 28.9190, 65.1350**.

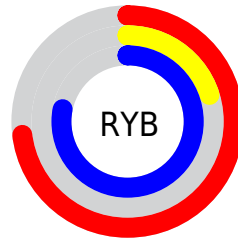
Distribution



Red (73%)

Green (20%)

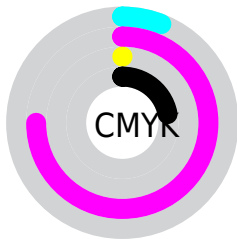
Blue (78%)



Red (73%)

Yellow (20%)

Blue (78%)

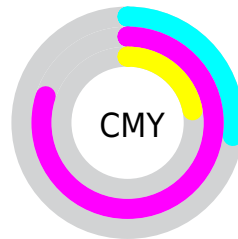


Cyan (6%)

Magenta (75%)

Yellow (0%)

Black (22%)



Cyan (27%)

Magenta (80%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 108.6500, 33.2270, 75.1710 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 108.6500, 33.2270, 75.1710 by changing the saturation by 10% instead.

108.6500, 33.2270,
75.1710

108.6500, 33.2270,
75.1710

255.0000, -0.0000,
-0.0000

68.0240, 38.4060,
85.9420

168.0800, 34.8320,
73.6160

55.4000, 30.9350,
72.6550

187.4950, 31.6250,
60.1450

43.7650, 21.9970,
58.4210

204.5180, 23.6500,
44.9780

32.7280, 14.2510,
44.6110

221.5410, 15.6750,
29.8110

22.2180, 6.4590,
31.6350

238.5640, 7.7000,
14.6440

8.8320, -7.6140,
16.8500

3.3230, -7.9790,

6.9410

■ 0.0000, 0.0000,
0.0000

■ 108.6500, 33.2270,
75.1710

■ 108.6500, 33.2270,
75.1710

■ 96.3120, 37.5350,
85.2070

■ 120.9880, 28.9190,
65.1350

■ 84.2730, 42.4390,
95.4550

■ 133.3260, 24.6110,
55.0990

■ 77.5170, 44.8680,
100.9960

■ 145.3650, 19.7070,
44.8510

■ 157.7030, 15.3990,
34.8150

■ 170.0410, 11.0910,
24.7790

■ 182.0800, 6.1870,
14.5310

■ 194.4180, 1.8790,
4.4950

■ 206.7560, -2.4290,
-5.5410

■ 219.0940, -6.7370,
-15.5770

Harmonies

Analogous

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



104.8300, -74.0530, 37.0110



108.6500, 33.2270, 75.1710



84.1880, 96.5420, 89.6140

Triad

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



108.6500, 33.2270, 75.1710



108.5450, 60.2960, -24.4720



104.4780, -95.7750, -20.8870

Complementary

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



108.6500, 33.2270, 75.1710



142.3500, -33.2270, -75.1710

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.



95.3410, -71.4250, -43.6890



108.6500, 33.2270, 75.1710



99.6430, 12.2050, -50.5070

Square

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



108.6500, 33.2270, 75.1710



102.3740, 101.4630, 5.9030



82.5050, -40.7930, -70.2090



109.5570, -114.2100, -0.6580

Rectangle

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



108.6500, 33.2270, 75.1710



80.2110, 114.9300, 75.7460



82.5050, -40.7930, -70.2090



101.7420, -88.0710, -28.3510

Sweetspot

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



108.6500, 33.2270, 75.1710



220.6330, 12.4200, 28.2280



76.7910, -51.9540, 38.4940



107.1450, 7.5620, 17.1460



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.



108.6500, 33.2270, 75.1710



115.7710, 50.5050, 114.4810



105.6970, 60.2350, 59.2670



93.7170, 2.4750, 4.7070



63.1330, 36.4810, 82.2810



13.9710, 8.1120, 18.1920

Inverse Universe

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



97.0330, 84.6310, 35.6310



98.1530, 128.8720, 54.3440



145.3030, -60.2350, -59.2670



92.6910, 5.3640, 1.9080



50.3330, 92.6540, 38.9100



11.1060, 20.4930, 8.5650

Previews

White Background



This preview shows how the YIQ color 108.6500, 33.2270, 75.1710 looks on a white background.

Color Contrast Check

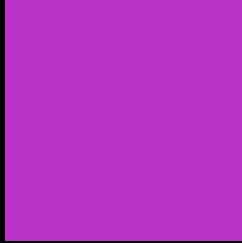
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 108.6500, 33.2270, 75.1710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

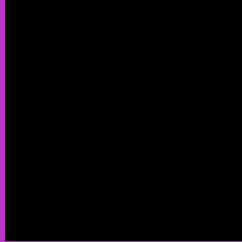
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 108.6500, 33.2270, 75.1710

Background



This preview shows how black text looks on a background with the YIQ color 108.6500, 33.2270, 75.1710.



This preview shows how white text looks on a background with the YIQ color 108.6500, 33.2270,

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

108.6500, 33.2270, 75.1710

Protanopia

92.0610, -106.2810, 15.3430

Deuteranopia

110.0840, -52.3620, 12.8380



Tritanopia

115.2130, 48.4130, 20.1970

Trichromacy



Original Color

108.6500, 33.2270, 75.1710



Protanomaly

97.9970, -55.5300, 37.2220



Deuteranomaly

109.3090, -21.4180, 35.7500



Tritanomaly

112.8220, 43.0450, 40.3970

Monochromacy



Original Color

108.6500, 33.2270, 75.1710



Achromatopsia

109.0000, -0.0000, 0.0000



Achromatomaly

108.8070, 11.8700, 27.1820

CSS Examples

Text

The CSS property to change the color of the text to YIQ 108.6500, 33.2270, 75.1710 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(187, 51, 200)` looks like.

```
.text, #text, p{  
    color:rgb(187, 51, 200)  
}
```

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(187, 51, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 51, 200) }
```

Border

The CSS property to change the border of an element to YIQ 108.6500, 33.2270, 75.1710 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(187, 51, 200) }
```


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

```
.border{ border-color:rgb(187, 51, 200) }
```

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

Here you see how a box with a 4 pixel rgb(187, 51, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 51, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 51, 200);  
box-shadow:4px 4px 4px 4px rgb(187, 51,  
200) }
```

Background

The CSS property to change the background color of an element to YIQ 108.6500, 33.2270, 75.1710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 51, 200) }
```

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

```
.background{ background-color: rgb(187, 51,  
200) }
```

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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