

Converting Colors

YIQ(109.5940, 52.8550, 49.8390)

Have a look what the booklet for
YIQ(109.5940, 52.8550, 49.8390)
contains.

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Color

**YIQ(109.5940, 52.8550,
49.8390)**

Conversions

Conversions Part 1

Format	Color
Hex	BF3F88
RGB	191, 63, 136
RGB Percent	75%, 25%, 53%
CMY	0.2506, 0.7531, 0.4665
CMYK	0.00, 0.67, 0.29, 0.25
HSL	326°, 50%, 50%
HSV	326°, 67%, 75%
XYZ	27.7296, 16.4157, 25.0142
YIQ	109.5940, 52.8550, 49.8390

Conversions

Conversions Part 2

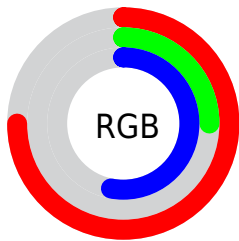
Format	Color
R_{YB}	191, 63, 136
Decimal	12533640
CIE _{Lab}	47.52, 57.85, -12.98
CIE _{LCh}	48, 59.284, 347.351
Yxy	16.4157, 0.4010, 0.2374
Android (android.graphics.Color)	4290723720 (0xFFBF3F88)
YUV	109.5940, 13.0182, 71.3931
Hunter-Lab	40.5163, 51.2628, -8.2433

Details

The YIQ color **109.5940, 52.8550, 49.8390** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **144.4060, -52.8550, -49.8390**, and the grayscale version is **109.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **166.4480, 56.2020, 49.7540**, and **49.8700, 52.2580, 55.1540** is the 20% darker color. If you saturate the color by 10%, you get **97.5290, 60.6480, 57.2880**, and if you desaturate by 10%, it is **121.6590, 45.0620, 42.3900**.

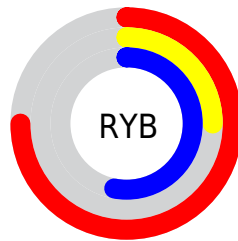
Distribution



Red (75%)

Green (25%)

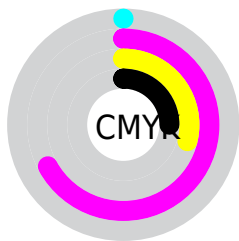
Blue (53%)



Red (75%)

Yellow (25%)

Blue (53%)

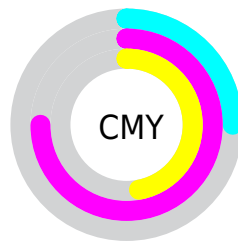


Cyan (0%)

Magenta (67%)

Yellow (29%)

Black (25%)



Cyan (25%)


Magenta (75%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 109.5940, 52.8550, 49.8390 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 109.5940, 52.8550, 49.8390 by changing the saturation by 10% instead.


 109.5940, 52.8550,
49.8390


 109.5940, 52.8550,
49.8390


255.0000, -0.0000,
-0.0000


 79.2890, 52.3960,
52.6520


 166.4480, 56.2020,
49.7540


 49.8700, 52.2580,
55.1540


 187.2720, 41.8980,
44.6660

 38.8760, 42.9530,
42.0650


 207.0140, 24.8890,
39.0410

 27.9960, 33.3270,
29.2870

 225.0630, 14.0250,
26.6730

 18.1270, 25.1680,
17.4560

 242.0860, 6.0500,
11.5060

 3.2890, 6.5560,
2.3320

 0.0000, 0.0000,

0.0000

■ 109.5940, 52.8550,
49.8390

■ 109.5940, 52.8550,
49.8390

■ 97.5290, 60.6480,
57.2880

■ 121.6590, 45.0620,
42.3900

■ 85.4640, 68.4410,
64.7370

■ 133.7240, 37.2690,
34.9410

■ 73.2850, 76.5550,
71.8750

■ 145.9030, 29.1550,
27.8030

■ 69.5350, 78.8470,
74.3910

■ 157.9680, 21.3620,
20.3540

■ 170.0330, 13.5690,
12.9050

■ 182.6850, 5.5010,
4.9330

■ 194.8640, -2.6130,
-2.2050

■ 206.9290,
-10.4060, -9.6540

■ 218.9940,
-18.1990, -17.1030

Harmonies

Analogous

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



115.6780, 8.5200, 43.8480



109.5940, 52.8550, 49.8390



105.7100, 75.4150, 37.4550

Triad

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



109.5940, 52.8550, 49.8390



102.4440, 32.2390, -39.1290



99.2750, -96.2810, -11.7130

Complementary

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



109.5940, 52.8550, 49.8390



144.4060, -52.8550, -49.8390

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.



95.3190, -82.3860, -26.7540



109.5940, 52.8550, 49.8390



93.2110, -21.4490, -46.3210

Square

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



109.5940, 52.8550, 49.8390



106.2080, 62.8630, -21.4330



88.8040, -65.4190, -42.4030



97.4290, -102.1060, 0.2460

Rectangle

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



109.5940, 52.8550, 49.8390



106.8280, 77.2980, 19.8420



88.8040, -65.4190, -42.4030



98.2660, -92.0620, -16.5900

Sweetspot

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



109.5940, 52.8550, 49.8390



215.8430, 20.2160, 19.0960



93.4390, -9.5000, 51.0440



105.9080, 12.4230, 11.6470



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000

Same Dimension

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



109.5940, 52.8550, 49.8390



121.0840, 81.7350, 77.1190



102.5260, 72.7570, 30.5570



88.2610, 3.7590, 3.4630



57.5020, 65.2780, 61.4860



11.2070, 13.0190, 11.8590

Inverse Universe

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



109.5940, 52.8550, 49.8390



121.0840, 81.7350, 77.1190



151.4740, -72.7570, -30.5570



88.2610, 3.7590, 3.4630



57.5020, 65.2780, 61.4860



11.2070, 13.0190, 11.8590

Previews

White Background



This preview shows how the YIQ color 109.5940, 52.8550, 49.8390 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 109.5940, 52.8550, 49.8390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

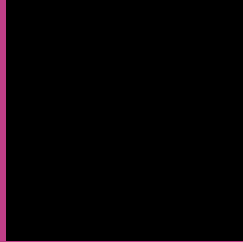
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 109.5940, 52.8550, 49.8390

Background



This preview shows how black text looks on a background with the YIQ color 109.5940, 52.8550, 49.8390.



This preview shows how white text looks on a background with the YIQ color 109.5940, 52.8550,

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

109.5940, 52.8550, 49.8390

Protanopia

112.4580, -29.9880, 14.8440

Deuteranopia

114.2590, -1.9270, 7.3930



Tritanopia

110.4600, 63.9550, 24.8750

Trichromacy



Original Color

109.5940, 52.8550, 49.8390

Protanomaly

111.7610, 0.3160, 27.3240

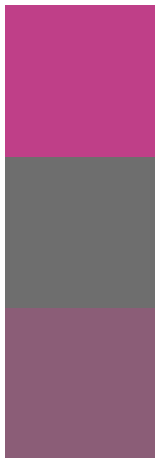
Deuteranomaly

112.6950, 17.8770, 22.9410

Tritanomaly

110.1040, 59.5060, 33.9220

Monochromacy



Original Color

109.5940, 52.8550, 49.8390

Achromatopsia

110.0000, 0.0000, 0.0000

Achromatomaly

109.7180, 19.0700, 17.8380

CSS Examples

Text

The CSS property to change the color of the text to YIQ 109.5940, 52.8550, 49.8390 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(191, 63, 136)` looks like.

```
.text, #text, p{  
    color:rgb(191, 63, 136)  
}
```

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(191, 63, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 63, 136) }
```

Border

The CSS property to change the border of an element to YIQ 109.5940, 52.8550, 49.8390 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(191, 63, 136) }
```


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

```
.border{ border-color:rgb(191, 63, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 63, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 63, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 63, 136); box-shadow:4px 4px 4px 4px rgb(191, 63, 136) }
```

Background

The CSS property to change the background color of an element to YIQ 109.5940, 52.8550, 49.8390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 63, 136) }
```

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

```
.background{ background-color: rgb(191, 63,  
136) }
```

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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