

Converting Colors

YIQ(109.9250, 50.4250, 49.8250)

Have a look what the booklet for
YIQ(109.9250, 50.4250, 49.8250)
contains.

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Color

**YIQ(109.9250, 50.4250,
49.8250)**

Conversions

Conversions Part 1

Format	Color
Hex	BD408B
RGB	189, 64, 139
RGB Percent	74%, 25%, 55%
CMY	0.2585, 0.7492, 0.4548
CMYK	0.00, 0.66, 0.26, 0.26
HSL	324°, 49%, 50%
HSV	324°, 66%, 74%
XYZ	27.5013, 16.3561, 26.1475
YIQ	109.9250, 50.4250, 49.8250

Conversions

Conversions Part 2

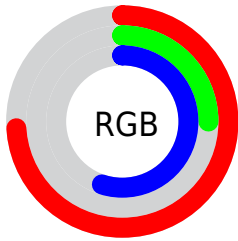
Format	Color
R_{YB}	189, 64, 139
Decimal	12402827
CIE _{Lab}	47.44, 57.27, -14.94
CIE _{LCh}	47, 59.181, 345.380
Yxy	16.3561, 0.3928, 0.2336
Android (android.graphics.Color)	4290592907 (0xFFBD408B)
YUV	109.9250, 14.3340, 69.3488
Hunter-Lab	40.4426, 50.6069, -10.0231

Details

The YIQ color **109.9250, 50.4250, 49.8250** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **143.0750, -50.4250, -49.8250**, and the grayscale version is **110.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **166.5940, 52.8550, 49.8390**, and **49.6140, 50.1030, 55.6630** is the 20% darker color. If you saturate the color by 10%, you get **97.8600, 58.2180, 57.2740**, and if you desaturate by 10%, it is **121.9900, 42.6320, 42.3760**.

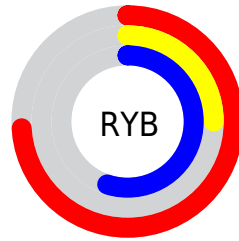
Distribution



Red (74%)

Green (25%)

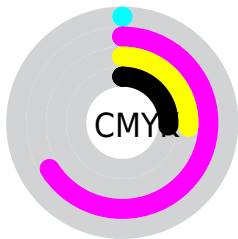
Blue (55%)



Red (74%)

Yellow (25%)

Blue (55%)

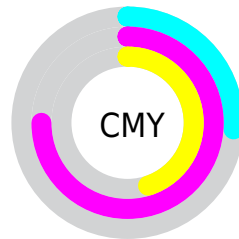


Cyan (0%)

Magenta (66%)

Yellow (26%)

Black (26%)



Cyan (26%)


Magenta (75%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 109.9250, 50.4250, 49.8250 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 109.9250, 50.4250, 49.8250 by changing the saturation by 10% instead.


 109.9250, 50.4250,
49.8250


 109.9250, 50.4250,
49.8250


255.0000, -0.0000,
-0.0000


 80.2070, 49.6910,
52.1150


 166.5940, 52.8550,
49.8390


 49.6140, 50.1030,
55.6630


 188.3150, 40.3390,
45.3870

 38.5060, 41.1190,
42.2630


 207.9430, 23.6510,
39.4510

 27.9250, 32.0890,
29.6970

 225.0630, 14.0250,
26.6730

 18.1700, 23.6090,
18.1770

 242.6730, 5.7750,
10.9830

 2.3920, 4.7680,
1.6960

 0.0000, 0.0000,

0.0000

■ 109.9250, 50.4250,
49.8250

■ 109.9250, 50.4250,
49.8250

■ 97.8600, 58.2180,
57.2740

■ 121.9900, 42.6320,
42.3760

■ 85.9090, 65.6900,
65.0340

■ 133.9410, 35.1600,
34.6160

■ 73.8440, 73.4830,
72.4830

■ 146.0060, 27.3670,
27.1670

■ 69.3930, 76.3710,
75.2110

■ 157.9570, 19.8950,
19.4070

■ 169.4350, 12.3770,
12.4810

■ 181.3860, 4.9050,
4.7210

■ 193.4510, -2.8880,
-2.7280

■ 205.5160,
-10.6810, -10.1770

■ 217.4670,
-18.1530, -17.9370

Harmonies

Analogous

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



115.5850, 4.3480, 42.3640



109.9250, 50.4250, 49.8250



105.4650, 74.7270, 38.9110

Triad

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



109.9250, 50.4250, 49.8250



102.7540, 34.3020, -37.9700



98.9330, -95.3180, -12.6460

Complementary

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



109.9250, 50.4250, 49.8250



143.0750, -50.4250, -49.8250

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.



94.9770, -81.4230, -27.6870



109.9250, 50.4250, 49.8250



94.0760, -16.6350, -45.4590

Square

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



109.9250, 50.4250, 49.8250



105.6320, 64.6050, -19.9630



88.4620, -64.4560, -43.3360



97.2010, -101.4640, -0.3760

Rectangle

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



109.9250, 50.4250, 49.8250



106.8820, 77.2060, 21.5100



88.4620, -64.4560, -43.3360



97.9240, -91.0990, -17.5230

Sweetspot

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



109.9250, 50.4250, 49.8250



213.9570, 19.8950, 19.4070



92.6020, -11.5170, 49.0510



103.7230, 11.5060, 11.7460



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000

Same Dimension

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



109.9250, 50.4250, 49.8250



122.2300, 78.3880, 77.2040



103.0850, 69.6850, 31.1650



88.3750, 3.4380, 3.7740



58.0720, 63.6730, 63.0410



11.3210, 12.6980, 12.1700

Inverse Universe

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



109.9250, 50.4250, 49.8250



122.2300, 78.3880, 77.2040



149.9150, -69.6850, -31.1650



88.3750, 3.4380, 3.7740



58.0720, 63.6730, 63.0410



11.3210, 12.6980, 12.1700

Previews

White Background



This preview shows how the YIQ color 109.9250, 50.4250, 49.8250 looks on a white background.

Color Contrast Check

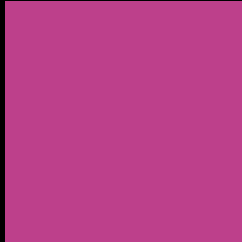
Large Text (above 18pt) WCAG AA ✓ Pass

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 109.9250, 50.4250, 49.8250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

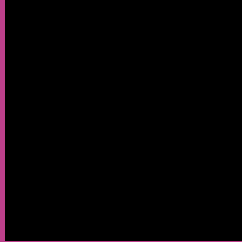
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 109.9250, 50.4250, 49.8250

Background



This preview shows how black text looks on a background with the YIQ color 109.9250, 50.4250, 49.8250.



This preview shows how white text looks on a background with the YIQ color 109.9250, 50.4250,

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

109.9250, 50.4250, 49.8250

Protanopia

112.2020, -32.1430, 15.3530

Deuteranopia

114.0030, -4.0820, 7.9020



Tritanopia

110.2640, 61.5710, 24.0270

Trichromacy



Original Color

109.9250, 50.4250, 49.8250

Protanomaly

111.5050, -1.8390, 27.8330

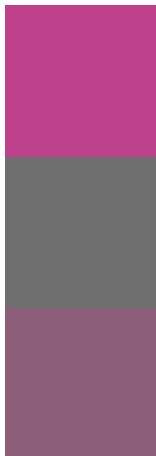
Deuteranomaly

112.4390, 15.7220, 23.4500

Tritanomaly

110.2070, 57.7180, 33.2860

Monochromacy



Original Color

109.9250, 50.4250, 49.8250

Achromatopsia

110.0000, 0.0000, 0.0000

Achromatomaly

109.9460, 18.4280, 18.4600

CSS Examples

Text

The CSS property to change the color of the text to YIQ 109.9250, 50.4250, 49.8250 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(189, 64, 139)` looks like.

```
.text, #text, p{  
    color:rgb(189, 64, 139)  
}
```

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(189, 64, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 64, 139) }
```

Border

The CSS property to change the border of an element to YIQ 109.9250, 50.4250, 49.8250 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(189, 64, 139) }
```


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

```
.border{ border-color:rgb(189, 64, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 64, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 64, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 64, 139);  
box-shadow:4px 4px 4px 4px rgb(189, 64,  
139) }
```

Background

The CSS property to change the background color of an element to YIQ 109.9250, 50.4250, 49.8250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 64, 139) }
```

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

```
.background{ background-color: rgb(189, 64,  
139) }
```

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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