

Converting Colors

XYZ(50.0721, 50.6229, 39.8718)

Have a look what the booklet for
XYZ(50.0721, 50.6229, 39.8718)
contains.

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Color

**XYZ(49.9768, 50.4858,
39.9116)**

Conversions

Conversions Part 1

Format	Color
Hex	D2B89F
RGB	210, 184, 159
RGB Percent	82%, 72%, 62%
CMY	0.1765, 0.2784, 0.3765
CMYK	0.00, 0.12, 0.24, 0.18
HSL	29°, 36%, 72%
HSV	29°, 24%, 82%
XYZ	49.9768, 50.4858, 39.9116
YIQ	188.9240, 23.5210, -2.2630

Conversions

Conversions Part 2

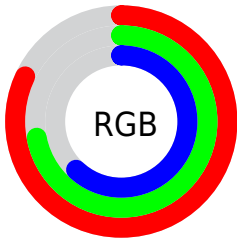
Format	Color
R _Y B	210, 208, 159
Decimal	13809823
CIE Lab	76.37, 5.43, 16.12
CIE LCh	76, 17.010, 71.371
Yxy	50.4858, 0.3560, 0.3597
Android (android.graphics.Color)	4291999903 (0xFFD2B89F)
YUV	188.9240, -14.7525, 18.4837
Hunter-Lab	71.0534, 1.2082, 16.4334

Details

The XYZ color **49.9768, 50.4858, 39.9116** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.2795, 46.7207, 67.7098**, and the grayscale version is **48.3997, 50.9202, 55.4521**.

A 20% lighter version of the original color is **84.5377, 88.4352, 76.2324**, and **24.3406, 24.2839, 17.5917** is the 20% darker color. If you saturate the color by 10%, you get **46.1673, 45.5395, 30.4021**, and if you desaturate by 10%, it is **54.2668, 55.8971, 51.1099**.

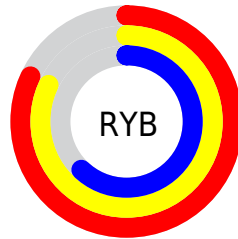
Distribution



Red (82%)

Green (72%)

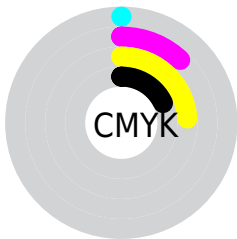
Blue (62%)



Red (82%)

Yellow (82%)

Blue (62%)

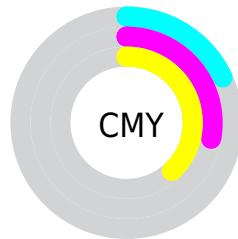


Cyan (0%)

Magenta (12%)

Yellow (24%)

Black (18%)



Cyan (18%)


Magenta (28%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9768, 50.4858, 39.9116 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 XYZ color 49.9768, 50.4858, 39.9116 by changing the saturation by 10% instead.


 49.9768, 50.4858,
39.9116


 49.9768, 50.4858,
39.9116


377.0287,
388.5627, 361.2918

 35.6127, 35.7996,
27.1564


 89.3325, 90.8942,
76.2645

 24.3039, 24.2794,
17.4572


 115.0549,
117.3852, 100.6992

 15.6852, 15.5410,
10.3956


145.2940,
148.5799, 129.8642

 9.3911, 9.2000,
5.5530

180.4152,
184.8627, 164.1780

 5.0563, 4.8718,
2.5109

220.7840,
226.6180, 204.0591

 2.3154, 2.1723,
0.8459

266.7655,

 0.8025, 0.7048,

274.2301, 249.9261

0.0000

318.7253,
328.0836, 302.1975

0.0000, 0.0000,
0.0000

49.9768, 50.4858,
39.9116

49.9768, 50.4858,
39.9116

46.1673, 45.5395,
30.4021

54.2668, 55.8971,
51.1099

42.8151, 41.0376,
22.4945

59.0516, 61.7795,
64.0716

39.9007, 36.9680,
16.0992

64.3494, 68.1477,
78.8706

37.4012, 33.3152,
11.1161

70.1767, 75.0135,
95.5757

35.2916, 30.0626,
7.4328

75.0651, 81.7950,
106.4394

■ 33.5431, 27.1917,
4.9196

■ 78.2665, 88.1979,
107.5066

■ 32.1216, 24.6818,
3.4189

■ 80.3884, 92.4417,
108.2138

■ 31.4246, 23.3940,
2.8592

Harmonies

Analogous

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



52.7503, 50.4858, 44.1312



49.9768, 50.4858, 39.9116



46.7828, 50.4858, 39.4472

Triad

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



49.9768, 50.4858, 39.9116



42.2047, 50.4858, 58.5170



52.1661, 50.4858, 69.2766

Complementary

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



49.9768, 50.4858, 39.9116



43.2795, 46.7207, 67.7098

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.



49.2081, 50.4858, 74.1101



49.9768, 50.4858, 39.9116



43.5162, 50.4858, 67.4534

Square

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



49.9768, 50.4858, 39.9116



42.3899, 50.4858, 49.5337



46.0473, 50.4858, 73.4081



54.0525, 50.4858, 60.7912

Rectangle

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



49.9768, 50.4858, 39.9116



44.8542, 50.4858, 41.2612



46.0473, 50.4858, 73.4081



51.2587, 50.4858, 71.4227

Sweetspot

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



49.9781, 50.4881, 39.9127



89.4738, 93.2348, 93.5161



47.7709, 42.0161, 51.6855



19.0522, 19.8350, 19.7466



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



49.9781, 50.4881, 39.9127



74.4775, 74.3820, 54.1747



55.6739, 61.8796, 41.8112



12.2804, 12.7515, 12.4261



19.2686, 14.4703, 1.7775



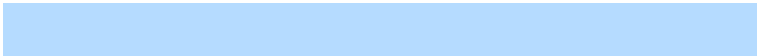
1.1567, 0.9677, 0.1258

Inverse Universe

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



43.2795, 46.7207, 67.7098



62.3825, 67.5792, 104.3639



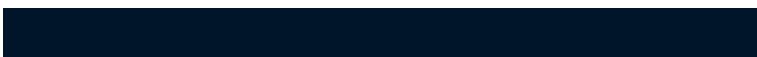
38.4764, 37.1144, 66.1088



11.6547, 12.3997, 15.0228



10.4066, 9.4597, 38.4699



0.6612, 0.6876, 2.1774

Previews

White Background



This preview shows how the XYZ color 49.9768, 50.4858, 39.9116 looks on a white background.

Color Contrast Check

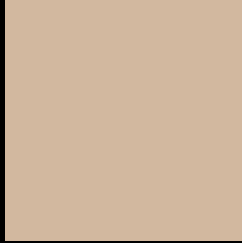
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 49.9768, 50.4858, 39.9116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

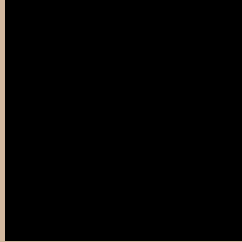
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9768, 50.4858, 39.9116

Background



This preview shows how black text looks on a background with the XYZ color 49.9768, 50.4858, 39.9116.



This preview shows how white text looks on a background with the XYZ color 49.9768, 50.4858,

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

49.9768, 50.4858, 39.9116

Protanopia

47.7049, 50.5454, 40.9601

Deuteranopia

51.4843, 50.3375, 40.2603



Tritanopia

53.4773, 50.3866, 57.3591

Trichromacy



Original Color

49.9768, 50.4858, 39.9116

Protanomaly

48.4726, 50.6353, 40.4765

Deuteranomaly

50.8047, 50.2901, 40.2870

Tritanomaly

52.3049, 50.5301, 50.7126

Monochromacy



Original Color

49.9768, 50.4858, 39.9116

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.8322, 50.6253, 49.3174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9768, 50.4858, 39.9116 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(210, 184, 159) looks like.

```
.text, #text, p{  
    color:rgb(210, 184, 159)  
}
```

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(210, 184, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 184, 159) }
```

Border

The CSS property to change the border of an element to XYZ 49.9768, 50.4858, 39.9116 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(210, 184, 159) }
```


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

```
.border{ border-color:rgb(210, 184, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 184, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 184, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 184, 159);  
box-shadow:4px 4px 4px 4px rgb(210, 184,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9768, 50.4858, 39.9116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 184, 159) }
```

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

```
.background{ background-color: rgb(210,  
184, 159) }
```

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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