

Converting Colors

XYZ(50.2230, 51.0827, 39.5874)

Have a look what the booklet for
XYZ(50.2230, 51.0827, 39.5874)
contains.

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Color

**XYZ(50.0989, 50.8682,
39.5258)**

Conversions

Conversions Part 1

Format	Color
Hex	D2B99E
RGB	210, 185, 158
RGB Percent	82%, 73%, 62%
CMY	0.1765, 0.2745, 0.3804
CMYK	0.00, 0.12, 0.25, 0.18
HSL	31°, 37%, 72%
HSV	31°, 25%, 82%
XYZ	50.0989, 50.8682, 39.5258
YIQ	189.3970, 23.5670, -3.0970

Conversions

Conversions Part 2

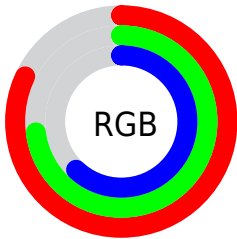
Format	Color
R _Y B	206, 210, 158
Decimal	13810078
CIE Lab	76.60, 4.76, 16.98
CIE LCh	77, 17.637, 74.345
Yxy	50.8682, 0.3566, 0.3621
Android (android.graphics.Color)	4292000158 (0xFFD2B99E)
YUV	189.3970, -15.4787, 18.0688
Hunter-Lab	71.3219, 0.5709, 17.0675

Details

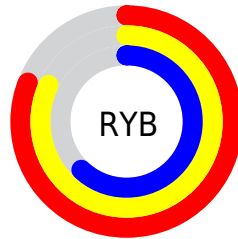
The XYZ color **50.0989, 50.8682, 39.5258** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.6666, 45.7881, 67.5623**, and the grayscale version is **48.6747, 51.2096, 55.7673**.

A 20% lighter version of the original color is **84.7055, 88.9747, 75.6602**, and **24.4227, 24.5326, 17.3580** is the 20% darker color. If you saturate the color by 10%, you get **46.4066, 46.1331, 30.1262**, and if you desaturate by 10%, it is **54.2528, 56.0314, 50.6044**.

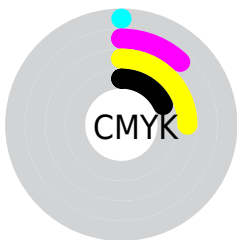
Distribution



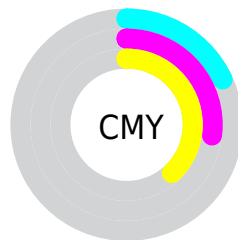
- Red (82%)
- Green (73%)
- Blue (62%)



- Red (81%)
- Yellow (82%)
- Blue (62%)



- Cyan (0%)
- Magenta (12%)
- Yellow (25%)
- Black (18%)





- Cyan (18%)
- Magenta (27%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0989, 50.8682, 39.5258 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 50.0989, 50.8682, 39.5258 by changing the saturation by 10% instead.


 50.0989, 50.8682,
39.5258


 50.0989, 50.8682,
39.5258


377.4982,
390.0515, 359.6133

 35.7101, 36.1037,
26.8580


 89.5123, 91.4599,
75.6700

 24.3795, 24.5143,
17.2351


 115.2677,
118.0560, 99.9836

 15.7416, 15.7156,
10.2386

145.5426,
149.3646, 129.0162

 9.4312, 9.3231,
5.4497

180.7025,
185.7704, 163.1863

 5.0828, 4.9525,
2.4502

221.1126,
227.6575, 202.9126

 2.3312, 2.2194,
0.8136

267.1383,

 0.8106, 0.7306,

275.4105, 248.6135

0.0000

319.1451,
329.4137, 300.7075

■ 0.0000, 0.0000,
0.0000

■ 50.0989, 50.8682,
39.5258

■ 50.0989, 50.8682,
39.5258

■ 46.4066, 46.1331,
30.1262

■ 54.2528, 56.0314,
50.6044

■ 43.1530, 41.8068,
22.3185

■ 58.8818, 61.6275,
63.4365

■ 40.3192, 37.8782,
16.0130

■ 64.0039, 67.6703,
78.0961

■ 37.8831, 34.3333,
11.1091

■ 69.6347, 74.1704,
94.6519

■ 35.8201, 31.1567,
7.4942

■ 74.4737, 80.6122,
106.2423

■ 34.1019, 28.3315,
5.0377

■ 77.4542, 86.5732,
107.2358

■ 32.6951, 25.8383,
3.5807

■ 80.3885, 92.4417,
108.2139

■ 32.0531, 24.6509,
3.0687

Harmonies

Analogous

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



53.0785, 50.8682, 43.5221



50.0989, 50.8682, 39.5258



46.7781, 50.8682, 39.4391

Triad

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



50.0989, 50.8682, 39.5258



42.4014, 50.8682, 60.0601



52.9683, 50.8682, 69.5779

Complementary

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



50.0989, 50.8682, 39.5258



42.6666, 45.7881, 67.5623

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.



49.9540, 50.8682, 75.1409



50.0989, 50.8682, 39.5258



43.9085, 50.8682, 69.2328

Square

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



50.0989, 50.8682, 39.5258



42.4362, 50.8682, 50.5799



46.6397, 50.8682, 75.0079



54.7864, 50.8682, 60.4891

Rectangle

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



50.0989, 50.8682, 39.5258



44.8222, 50.8682, 41.5719



46.6397, 50.8682, 75.0079



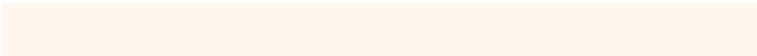
52.0554, 50.8682, 71.9663

Sweetspot

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



50.1002, 50.8705, 39.5269



89.6316, 93.5504, 93.5686



47.3669, 41.5804, 50.4024



19.0887, 19.9081, 19.7588



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.



50.1002, 50.8705, 39.5269



74.4566, 74.7553, 52.8881



55.5508, 62.1370, 41.4142



12.3093, 12.8093, 12.4357



19.6531, 15.2392, 1.9056



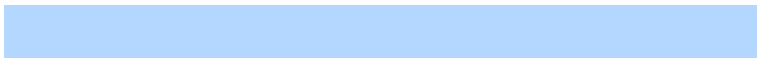
1.1781, 1.0106, 0.1330

Inverse Universe

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



42.6666, 45.7881, 67.5623



60.8950, 65.4841, 104.0379



38.1320, 36.4649, 66.0018



11.6258, 12.3419, 15.0131



10.0309, 8.7083, 38.3447



0.6401, 0.6454, 2.1704

Previews

White Background



This preview shows how the XYZ color 50.0989, 50.8682, 39.5258 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 50.0989, 50.8682, 39.5258 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

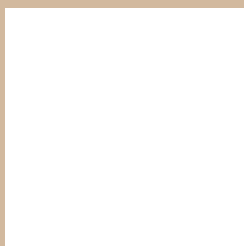
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.0989, 50.8682, 39.5258

Background



This preview shows how black text looks on a background with the XYZ color 50.0989, 50.8682, 39.5258.



This preview shows how white text looks on a background with the XYZ color 50.0989, 50.8682,

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

50.0989, 50.8682, 39.5258

Protanopia

48.0959, 51.0754, 40.5813

Deuteranopia

51.8994, 50.8645, 39.8833



Tritanopia

53.7904, 50.8337, 58.0158

Trichromacy



Original Color

50.0989, 50.8682, 39.5258

Protanomaly

48.8698, 51.1662, 40.1012

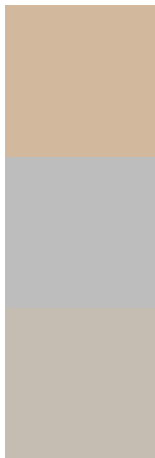
Deuteranomaly

51.2158, 50.8172, 39.9102

Tritanomaly

52.5090, 50.9382, 50.7806

Monochromacy



Original Color

50.0989, 50.8682, 39.5258

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.0451, 51.0511, 49.3884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0989, 50.8682, 39.5258 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, 185, 158)` looks like.

```
.text, #text, p{  
    color:rgb(210, 185, 158)  
}
```

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, 185, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 185, 158) }
```

Border

The CSS property to change the border of an element to XYZ 50.0989, 50.8682, 39.5258 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, 185, 158) }
```


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

```
.border{ border-color:rgb(210, 185, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 185, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 185, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 185, 158);  
box-shadow:4px 4px 4px 4px rgb(210, 185,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0989, 50.8682, 39.5258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 185, 158) }
```

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

```
.background{ background-color: rgb(210,  
185, 158) }
```

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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