

Converting Colors

XYZ(49.7800, 50.5767, 39.3508)

Have a look what the booklet for
XYZ(49.7800, 50.5767, 39.3508)
contains.

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Color

**XYZ(49.8150, 50.7219,
39.5125)**

Conversions

Conversions Part 1

Format	Color
Hex	D1B99E
RGB	209, 185, 158
RGB Percent	82%, 73%, 62%
CMY	0.1804, 0.2745, 0.3804
CMYK	0.00, 0.11, 0.24, 0.18
HSL	32°, 36%, 72%
HSV	32°, 24%, 82%
XYZ	49.8150, 50.7219, 39.5125
YIQ	189.0980, 22.9710, -3.3090

Conversions

Conversions Part 2

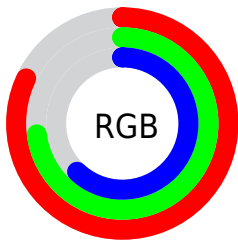
Format	Color
R_{YB}	203, 209, 158
Decimal	13744542
CIE _{Lab}	76.51, 4.38, 16.85
CIE _{LCh}	77, 17.405, 75.432
Yxy	50.7219, 0.3557, 0.3622
Android (android.graphics.Color)	4291934622 (0xFFD1B99E)
YUV	189.0980, -15.3313, 17.4541
Hunter-Lab	71.2193, 0.2197, 16.9594

Details

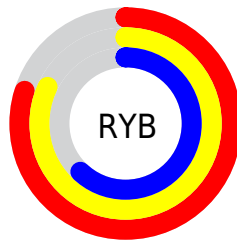
The XYZ color **49.8150, 50.7219, 39.5125** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.3367, 45.3271, 66.8394**, and the grayscale version is **48.5027, 51.0287, 55.5702**.

A 20% lighter version of the original color is **84.7055, 88.9747, 75.6602**, and **24.2315, 24.4341, 17.3490** is the 20% darker color. If you saturate the color by 10%, you get **46.1807, 46.0913, 30.1676**, and if you desaturate by 10%, it is **53.9003, 55.7641, 50.5183**.

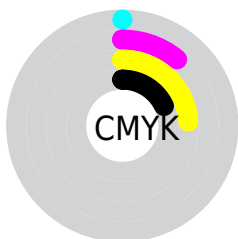
Distribution



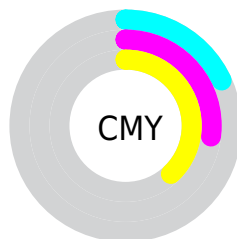
- Red (82%)
- Green (73%)
- Blue (62%)



- Red (80%)
- Yellow (82%)
- Blue (62%)



- Cyan (0%)
- Magenta (11%)
- Yellow (24%)
- Black (18%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8150, 50.7219, 39.5125 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 49.8150, 50.7219, 39.5125 by changing the saturation by 10% instead.


 49.8150, 50.7219,
39.5125


 49.8150, 50.7219,
39.5125


376.4060,
389.4823, 359.5553

 35.4836, 35.9873,
26.8478


 89.0942, 91.2436,
75.6495

 24.2039, 24.4244,
17.2275


 114.7727,
117.7994, 99.9589

 15.6105, 15.6487,
10.2332


144.9643,
149.0646, 128.9869

 9.3381, 9.2759,
5.4462

180.0343,
185.4233, 163.1521

 5.0212, 4.9216,
2.4481

220.3481,
227.2600, 202.8730

 2.2946, 2.2013,
0.8125

266.2711,

 0.7919, 0.7207,

274.9592, 248.5681

0.0000

318.1686,
328.9052, 300.6561

■ 0.0000, 0.0000,
0.0000

■ 49.8150, 50.7219,
39.5125

■ 49.8150, 50.7219,
39.5125

■ 46.1807, 46.0913,
30.1676

■ 53.9003, 55.7641,
50.5183

■ 42.9750, 41.8536,
22.3980

■ 58.4497, 61.2222,
63.2585

■ 40.1794, 37.9982,
16.1151

■ 63.4807, 67.1094,
77.8059

■ 37.7725, 34.5119,
11.2203

■ 69.0087, 73.4360,
94.2284

■ 35.7302, 31.3798,
7.6027

■ 73.8165, 79.7193,
106.1046

■ 34.0250, 28.5859,
5.1341

■ 76.6970, 85.4803,
107.0647

■ 32.6243, 26.1115,
3.6589

■ 79.7354, 91.5571,
108.0775

■ 31.9426, 24.8515,
3.1133

■ 80.1046, 92.2953,
108.2006

Harmonies

Analogous

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



52.7767, 50.7219, 43.3229



49.8150, 50.7219, 39.5125



46.5493, 50.7219, 39.5689

Triad

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



49.8150, 50.7219, 39.5125



42.3769, 50.7219, 60.1793



52.8482, 50.7219, 68.9111

Complementary

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



49.8150, 50.7219, 39.5125



42.3367, 45.3271, 66.8394

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.



49.9090, 50.7219, 74.5523



49.8150, 50.7219, 39.5125



43.9139, 50.7219, 69.1347

Square

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



49.8150, 50.7219, 39.5125



42.3543, 50.7219, 50.8037



46.6392, 50.7219, 74.6385



54.5812, 50.7219, 59.9010

Rectangle

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



49.8150, 50.7219, 39.5125



44.6418, 50.7219, 41.7674



46.6392, 50.7219, 74.6385



51.9627, 50.7219, 71.3072

Sweetspot

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



49.8163, 50.7242, 39.5136



89.6871, 93.6613, 93.5871



47.0326, 41.4139, 50.1243



19.1015, 19.9338, 19.7631



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.



49.8163, 50.7242, 39.5136



75.2331, 75.8932, 54.4266



55.0269, 61.5014, 41.3191



12.3195, 12.8296, 12.4391



19.7944, 15.5217, 1.9527



1.1859, 1.0261, 0.1356

Inverse Universe

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



42.3367, 45.3271, 66.8394



61.6335, 66.0813, 104.1143



38.0044, 36.4134, 65.3472



11.6157, 12.3217, 15.0098



9.9052, 8.4570, 38.3028



0.6330, 0.6311, 2.1680

Previews

White Background



This preview shows how the XYZ color 49.8150, 50.7219, 39.5125 looks on a white background.

Color Contrast Check

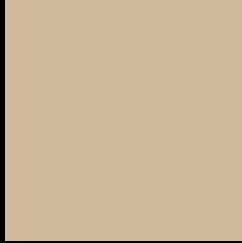
Large Text (above 18pt) WCAG AA × Fail

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 49.8150, 50.7219, 39.5125 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 49.8150, 50.7219, 39.5125

Background



This preview shows how black text looks on a background with the XYZ color 49.8150, 50.7219, 39.5125.



This preview shows how white text looks on a background with the XYZ color 49.8150, 50.7219,

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

49.8150, 50.7219, 39.5125

Protanopia

47.8816, 50.6466, 40.5099

Deuteranopia

51.8994, 50.8645, 39.8833



Tritanopia

53.4994, 50.6837, 58.0021

Trichromacy



Original Color

49.8150, 50.7219, 39.5125

Protanomaly

48.6569, 50.7404, 40.0303

Deuteranomaly

51.2158, 50.8172, 39.9102

Tritanomaly

52.2198, 50.7891, 50.7671

Monochromacy



Original Color

49.8150, 50.7219, 39.5125

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.7841, 50.9166, 49.3762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8150, 50.7219, 39.5125 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(209, 185, 158)` looks like.

```
.text, #text, p{  
    color:rgb(209, 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(209, 185, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 185, 158) }
```

Border

The CSS property to change the border of an element to XYZ 49.8150, 50.7219, 39.5125 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(209, 185, 158) }
```


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

```
.border{ border-color:rgb(209, 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(209, 185, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 185, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 185, 158);  
box-shadow:4px 4px 4px 4px rgb(209, 185,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8150, 50.7219, 39.5125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 185, 158) }
```

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

```
.background{ background-color: rgb(209,  
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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