

Converting Colors

XYZ(49.9864, 51.8380, 35.8049)

Have a look what the booklet for
XYZ(49.9864, 51.8380, 35.8049)
contains.

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Color

**XYZ(49.9864, 51.8380,
35.8049)**

Conversions

Conversions Part 1

Format	Color
Hex	D2BC95
RGB	210, 188, 149
RGB Percent	82%, 74%, 58%
CMY	0.1765, 0.2627, 0.4157
CMYK	0.00, 0.10, 0.29, 0.18
HSL	38°, 40%, 70%
HSV	38°, 29%, 82%
XYZ	49.9864, 51.8380, 35.8049
YIQ	190.1320, 25.6310, -7.4650

Conversions

Conversions Part 2

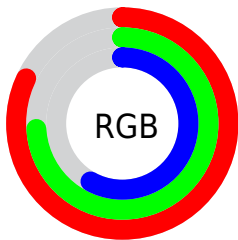
Format	Color
R_{YB}	183, 210, 149
Decimal	13810837
CIE Lab	77.18, 1.94, 22.62
CIE LCh	77, 22.698, 85.107
Yxy	51.8380, 0.3632, 0.3766
Android (android.graphics.Color)	4292000917 (0xFFD2BC95)
YUV	190.1320, -20.2781, 17.4242
Hunter-Lab	71.9986, -2.0706, 20.9141

Details

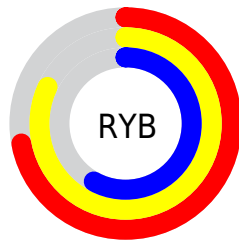
The XYZ color **49.9864, 51.8380, 35.8049** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.5899, 40.1674, 66.6922**, and the grayscale version is **49.1236, 51.6818, 56.2815**.

A 20% lighter version of the original color is **84.3702, 90.2732, 69.4776**, and **24.3861, 25.1784, 15.1299** is the 20% darker color. If you saturate the color by 10%, you get **46.8837, 48.0779, 27.2315**, and if you desaturate by 10%, it is **53.4791, 55.8936, 46.0009**.

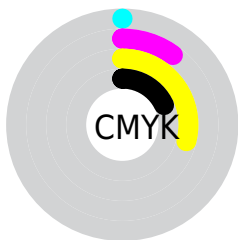
Distribution



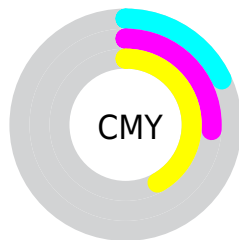
- Red (82%)
- Green (74%)
- Blue (58%)



- Red (72%)
- Yellow (82%)
- Blue (58%)



- Cyan (0%)
- Magenta (10%)
- Yellow (29%)
- Black (18%)





- Cyan (18%)
- Magenta (26%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9864, 51.8380, 35.8049 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 49.9864, 51.8380, 35.8049 by changing the saturation by 10% instead.


 49.9864, 51.8380,
35.8049


 49.9864, 51.8380,
35.8049


377.0656,
393.8109, 343.1186

 35.6203, 36.8760,
23.9951


 89.3467, 92.8923,
69.8965

 24.3099, 25.1115,
15.1178


 115.0716,
119.7533, 93.0153

 15.6896, 16.1601,
8.7546


145.3135,
151.3495, 120.7408

 9.3942, 9.6375,
4.4868

180.4378,
188.0651, 153.4917

 5.0584, 5.1593,
1.8960

220.8098,
230.2847, 191.6863

 2.3167, 2.3410,
0.4902

266.7949,

 0.8032, 0.7953,

278.3926, 235.7433

0.0000

318.7584,
332.7732, 286.0812

■ 0.0000, 0.0000,
0.0000

■ 49.9864, 51.8380,
35.8049

■ 49.9864, 51.8380,
35.8049

■ 46.8837, 48.0779,
27.2315

■ 53.4791, 55.8936,
46.0009

■ 44.1493, 44.5970,
20.1915

■ 57.3739, 60.2460,
57.8959

■ 41.7655, 41.3881,
14.5918

■ 61.6876, 64.9058,
71.5652

■ 39.7111, 38.4404,
10.3280

■ 66.4345, 69.8805,
87.0789

■ 37.9624, 35.7423,
7.2811

■ 71.6282, 75.1777,
104.5029

■ 36.4914, 33.2802,
5.3111

■ 73.8917, 79.4482,
106.0483

■ 35.2533, 31.0339,
4.1896

■ 76.0870, 83.8388,
106.7800

■ 35.1420, 30.8288,
4.0984

■ 78.3755, 88.4157,
107.5429

■ 80.3885, 92.4417,
108.2139

Harmonies

Analogous

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



54.2050, 51.8380, 39.0067



49.9864, 51.8380, 35.8049



45.8104, 51.8380, 37.4334

Triad

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



49.9864, 51.8380, 35.8049



42.0870, 51.8380, 67.2141



56.4444, 51.8380, 71.2636

Complementary

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



49.9864, 51.8380, 35.8049



38.5899, 40.1674, 66.6922

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.



52.9005, 51.8380, 80.9949



49.9864, 51.8380, 35.8049



44.6449, 51.8380, 78.4265

Square

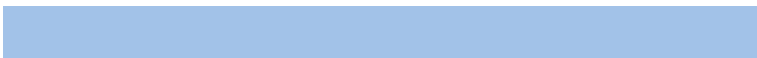
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.9864, 51.8380, 35.8049



41.4076, 51.8380, 54.4267



48.5614, 51.8380, 83.7912



58.0706, 51.8380, 58.5080

Rectangle

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



49.9864, 51.8380, 35.8049



43.5866, 51.8380, 41.1860



48.5614, 51.8380, 83.7912



55.4281, 51.8380, 75.0668

Sweetspot

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



49.9877, 51.8404, 35.8060



88.9892, 93.4423, 89.7271



44.7119, 38.1514, 43.7195



18.8485, 19.7816, 18.5882



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.



49.9877, 51.8404, 35.8060



74.4391, 76.6822, 46.8340



52.7928, 60.8014, 37.3878



12.4300, 13.0507, 12.4759



21.5343, 19.0017, 2.5327



1.2778, 1.2100, 0.1662

Inverse Universe

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



38.5899, 40.1674, 66.6922



53.9021, 55.6571, 102.5097



36.3115, 33.3302, 65.4926



11.5076, 12.1055, 14.9737



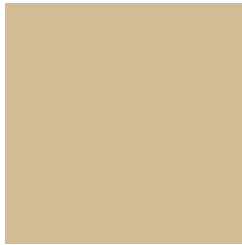
8.7479, 6.1424, 37.9170



0.5635, 0.4923, 2.1449

Previews

White Background



This preview shows how the XYZ color 49.9864, 51.8380, 35.8049 looks on a white background.

Color Contrast Check

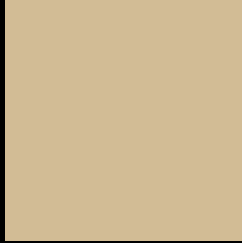
Large Text (above 18pt) WCAG AA × Fail

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 49.9864, 51.8380, 35.8049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

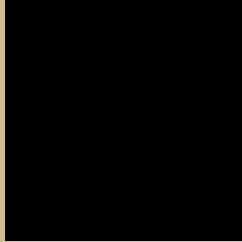
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9864, 51.8380, 35.8049

Background



This preview shows how black text looks on a background with the XYZ color 49.9864, 51.8380, 35.8049.



This preview shows how white text looks on a background with the XYZ color 49.9864, 51.8380,

35.8049.

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

49.9864, 51.8380, 35.8049

Protanopia

48.5471, 51.7254, 36.2795

Deuteranopia

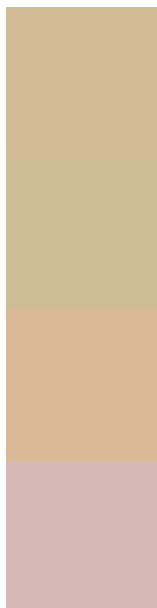
52.8699, 51.7570, 36.0577



Tritanopia

54.7161, 51.8885, 59.3562

Trichromacy



Original Color

49.9864, 51.8380, 35.8049

Protanomaly

49.1562, 51.7190, 36.2461

Deuteranomaly

51.7674, 51.8054, 36.1252

Tritanomaly

52.7177, 51.6818, 49.8449

Monochromacy



Original Color

49.9864, 51.8380, 35.8049

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.9614, 51.3607, 47.8905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9864, 51.8380, 35.8049 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, 188, 149)` looks like.

```
.text, #text, p{  
    color:rgb(210, 188, 149)  
}
```

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, 188, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 188, 149) }
```

Border

The CSS property to change the border of an element to XYZ 49.9864, 51.8380, 35.8049 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, 188, 149) }
```


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

```
.border{ border-color:rgb(210, 188, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 188, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 188, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 188, 149);  
box-shadow:4px 4px 4px 4px rgb(210, 188,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9864, 51.8380, 35.8049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 188, 149) }
```

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

```
.background{ background-color: rgb(210,  
188, 149) }
```

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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