

# Converting Colors

XYZ(49.7912, 49.2030, 48.5319)

Have a look what the booklet for  
XYZ(49.7912, 49.2030, 48.5319)  
contains.

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# Color

**XYZ(49.9133, 49.3439,  
48.4886)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEB5B1
RGB	206, 181, 177
RGB Percent	81%, 71%, 69%
CMY	0.1922, 0.2902, 0.3059
CMYK	0.00, 0.12, 0.14, 0.19
HSL	8°, 23%, 75%
HSV	8°, 14%, 81%
XYZ	49.9133, 49.3439, 48.4886
YIQ	188.0190, 16.1840, 4.0560

# Conversions

## Conversions Part 2

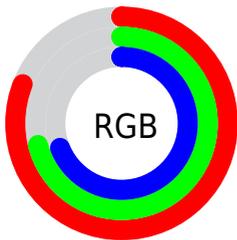
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	206, 182, 177
Decimal	13546929
CIE Lab	75.66, 8.29, 5.31
CIE LCh	76, 9.844, 32.665
Yxy	49.3439, 0.3378, 0.3340
Android (android.graphics.Color)	4291737009 (0xFFCEB5B1)
YUV	188.0190, -5.4324, 15.7693
Hunter-Lab	70.2452, 3.9055, 8.2452

# Details

The XYZ color **49.9133, 49.3439, 48.4886** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.3923, 56.0432, 66.5545**, and the grayscale version is **47.8353, 50.3265, 54.8056**.

A 20% lighter version of the original color is **86.2322, 87.7116, 89.4759**, and **24.1198, 23.4729, 22.3283** is the 20% darker color. If you saturate the color by 10%, you get **44.6301, 41.8188, 37.3505**, and if you desaturate by 10%, it is **55.9694, 57.9177, 61.4147**.

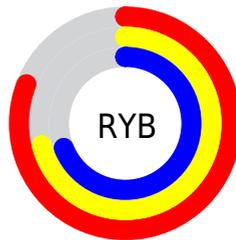
# Distribution



Red (81%)

Green (71%)

Blue (69%)



Red (81%)

Yellow (71%)

Blue (69%)

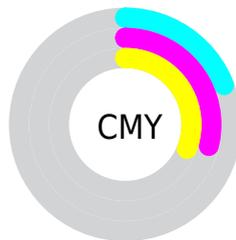


Cyan (0%)

Magenta (12%)

Yellow (14%)

Black (19%)



Cyan (19%)

Magenta (29%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9133, 49.3439, 48.4886 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 49.9133, 49.3439, 48.4886 by changing the saturation by 10% instead.

 49.9133, 49.3439,  
48.4886

 49.9133, 49.3439,  
48.4886

376.7844,  
384.0946, 397.2900

 35.5620, 34.8924,  
33.8512

 89.2390, 89.2020,  
89.3045

 24.2647, 23.5800,  
22.5029

114.9441,  
115.3774, 116.3202

 15.6559, 15.0223,  
14.0251

145.1646,  
146.2294, 148.2991

 9.3703, 8.8351,  
7.9991

180.2658,  
182.1427, 185.6596

 5.0425, 4.6338,  
4.0066

220.6130,  
223.5014, 228.8205

 2.3072, 2.0340,  
1.6290

266.5716,

 0.7984, 0.6271,

270.6900, 278.2001

0.3114

318.5069,  
324.0930, 334.2171

■ 0.0000, 0.0000,  
0.0000

■ 49.9133, 49.3439,  
48.4886

■ 49.9133, 49.3439,  
48.4886

■ 44.6301, 41.8188,  
37.3505

■ 55.9694, 57.9177,  
61.4147

■ 40.0845, 35.2957,  
27.9186

■ 62.8236, 67.5715,  
76.1995

■ 36.2448, 29.7342,  
20.1094

■ 70.5051, 78.3434,  
92.9135

■ 33.0752, 25.0887,  
13.8310

■ 78.3234, 89.9810,  
107.8477

■ 30.5365, 21.3097,  
8.9825

■ 79.2638, 91.8619,  
108.1612

■ 28.5859, 18.3431,  
5.4506

■ 27.1745, 16.1286,  
3.1051

■ 26.2455, 14.5972,  
1.7885

■ 25.8796, 13.9735,  
1.3331

# Harmonies

## Analogous

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



50.4895, 49.3439, 53.2616



49.9133, 49.3439, 48.4886



48.5281, 49.3439, 45.2930

# Triad

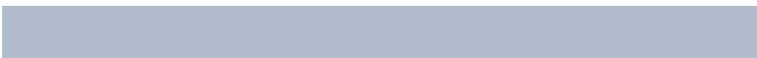
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.9133, 49.3439, 48.4886



43.8542, 49.3439, 49.2477



47.0631, 49.3439, 64.3927

# Complementary

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



49.9133, 49.3439, 48.4886



50.3923, 56.0432, 66.5545

# 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.



45.3086, 49.3439, 63.1482



49.9133, 49.3439, 48.4886



43.4846, 49.3439, 54.1953

# Square

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



49.9133, 49.3439, 48.4886



45.0332, 49.3439, 45.7109



44.0103, 49.3439, 59.3300



48.8175, 49.3439, 62.6297

# Rectangle

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



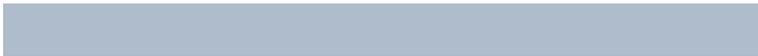
49.9133, 49.3439, 48.4886



47.3489, 49.3439, 44.3722



44.0103, 49.3439, 59.3300



46.4538, 49.3439, 64.3123

# Sweetspot

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



49.9147, 49.3461, 48.4896



90.7100, 93.8786, 99.5657



51.8528, 48.8374, 62.6541



19.2461, 19.8544, 20.9473



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.



49.9147, 49.3461, 48.4896



78.0564, 75.9495, 72.6018



52.9874, 55.4915, 49.5139



11.3352, 11.4593, 11.6939



15.9776, 8.6882, 0.8349



0.8659, 0.5315, 0.0569



# Inverse Universe

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



50.3923, 56.0432, 66.5545



78.9809, 88.9258, 107.6094



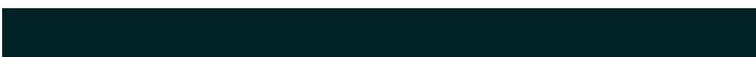
47.1777, 49.6140, 65.4829



11.4061, 12.4526, 14.3728



16.6624, 22.3488, 39.3918



0.8969, 1.2276, 2.0446



# Previews

## White Background



This preview shows how the XYZ color 49.9133, 49.3439, 48.4886 looks on a white background.

## Color Contrast Check

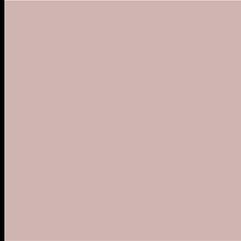
Large Text (above 18pt) WCAG AA × Fail

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 49.9133, 49.3439, 48.4886 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

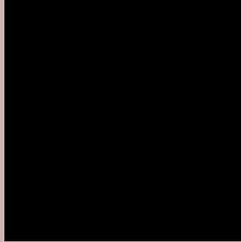
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

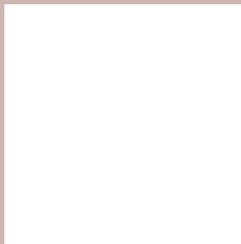
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 49.9133, 49.3439, 48.4886**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.9133, 49.3439, 48.4886.



This preview shows how white text looks on a background with the XYZ color 49.9133, 49.3439,



# 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

49.9133, 49.3439, 48.4886

### Protanopia

47.2830, 49.4895, 50.2404

### Deuteranopia

50.2695, 49.2267, 48.4472



## Tritanopia

51.7582, 49.5004, 57.2787

# Trichromacy



## Original Color

49.9133, 49.3439, 48.4886

## Protanomaly

48.0421, 49.2714, 49.6261

## Deuteranomaly

49.9892, 49.0822, 48.4341

## Tritanomaly

51.0230, 49.4958, 53.8781

# Monochromacy



## Original Color

49.9133, 49.3439, 48.4886

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

48.5064, 49.7607, 52.3956

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.9133, 49.3439, 48.4886 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(206, 181, 177)` looks like.

```
.text, #text, p{  
    color:rgb(206, 181, 177)  
}
```

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(206, 181, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 181, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 49.9133, 49.3439, 48.4886 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(206, 181, 177) }
```

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

```
.border{ border-color:rgb(206, 181, 177) }
```

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

Here you see how a box with a 4 pixel rgb(206, 181, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 181, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 181, 177);  
box-shadow:4px 4px 4px 4px rgb(206, 181,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.9133, 49.3439, 48.4886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 181, 177) }
```

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

```
.background{ background-color: rgb(206,  
181, 177) }
```

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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