

# Converting Colors

XYZ(51.4018, 52.5505, 51.3388)

Have a look what the booklet for  
XYZ(51.4018, 52.5505, 51.3388)  
contains.

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# Color

**XYZ(51.4399, 52.5688,  
51.1517)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCBDB5
RGB	204, 189, 181
RGB Percent	80%, 74%, 71%
CMY	0.2000, 0.2588, 0.2902
CMYK	0.00, 0.07, 0.11, 0.20
HSL	21°, 18%, 75%
HSV	21°, 11%, 80%
XYZ	51.4399, 52.5688, 51.1517
YIQ	192.5730, 11.5080, 0.6920

# Conversions

## Conversions Part 2

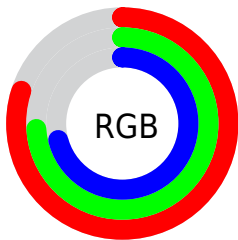
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">204, 193, 181</a>
Decimal	<a href="#">13417909</a>
CIELab	<a href="#">77.62, 3.93, 5.94</a>
CIELCh	<a href="#">78, 7.121, 56.486</a>
Yxy	<a href="#">52.5688, 0.3315, 0.3388</a>
Android (android.graphics.Color)	<a href="#">4291607989</a> ( <a href="#">0xFFCCBDB5</a> )
YUV	<a href="#">192.5730, -5.7055, 10.0215</a>
Hunter-Lab	<a href="#">72.5043, -0.2416, 8.9240</a>

# Details

The XYZ color **51.4399, 52.5688, 51.1517** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.6948, 53.6620, 64.8657**, and the grayscale version is **50.4669, 53.0951, 57.8206**.

A 20% lighter version of the original color is **89.1785, 92.6792, 93.3094**, and **25.2781, 25.6509, 24.0409** is the 20% darker color. If you saturate the color by 10%, you get **46.7673, 46.3315, 40.0122**, and if you desaturate by 10%, it is **56.6843, 59.4582, 63.9953**.

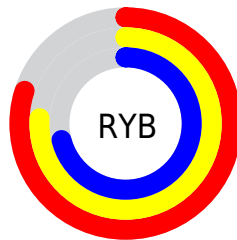
# Distribution



Red (80%)

Green (74%)

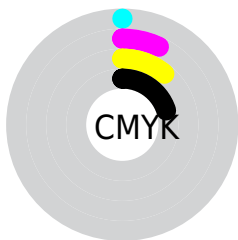
Blue (71%)



Red (80%)

Yellow (76%)

Blue (71%)

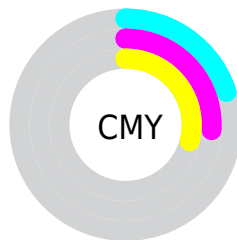


Cyan (0%)

Magenta (7%)

Yellow (11%)

Black (20%)



Cyan (20%)

Magenta (26%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4399, 52.5688, 51.1517 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 51.4399, 52.5688, 51.1517 by changing the saturation by 10% instead.



■ 51.4399, 52.5688,  
51.1517

■ 51.4399, 52.5688,  
51.1517

382.6300,  
396.6286, 408.0163

■ 36.7813, 37.4587,  
35.9518

■ 91.4838, 93.9696,  
93.2928

■ 25.2111, 25.5628,  
24.1076

117.5998,  
121.0290, 121.0710

■ 16.3640, 16.4969,  
15.2005

148.2657,  
152.8402, 153.8791

■ 9.8745, 9.8764,  
8.8120

183.8467,  
189.7878, 192.1356

■ 5.3775, 5.3171,  
4.5236

224.7083,  
232.2560, 236.2590

■ 2.5074, 2.4345,  
1.9168

271.2159,

■ 0.8990, 0.8436,

280.6293, 286.6679

0.5034

323.7346,  
335.2920, 343.7808

■ 0.0000, 0.0000,  
0.0000

■ 51.4399, 52.5688,  
51.1517

■ 51.4399, 52.5688,  
51.1517

■ 46.7673, 46.3315,  
40.0122

■ 56.6843, 59.4582,  
63.9953

■ 42.6420, 40.7199,  
30.5011

■ 62.5155, 67.0113,  
78.6074

■ 39.0438, 35.7161,  
22.5422

■ 68.9531, 75.2479,  
95.0533

■ 35.9496, 31.2985,  
16.0517

■ 74.7662, 83.6859,  
106.8201

■ 33.3345, 27.4444,  
10.9377

■ 78.7120, 91.5775,  
108.1354

■ 31.1711, 24.1291,  
7.0981

■ 29.4288, 21.3261,  
4.4160

■ 28.0722, 19.0057,  
2.7527

■ 27.1548, 17.3429,  
1.9163

# Harmonies

## Analogous

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



52.3703, 52.5688, 53.9259



51.4399, 52.5688, 51.1517



50.1274, 52.5688, 50.0051

# Triad

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



51.4399, 52.5688, 51.1517



47.3710, 52.5688, 56.7754



51.1541, 52.5688, 64.2904

# Complementary

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



51.4399, 52.5688, 51.1517



49.6948, 53.6620, 64.8657

# 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.



49.8031, 52.5688, 65.1379



51.4399, 52.5688, 51.1517



47.6347, 52.5688, 60.6840

# Square

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



51.4399, 52.5688, 51.1517



47.7919, 52.5688, 53.1566



48.5187, 52.5688, 63.7899



52.2031, 52.5688, 61.5241



# Rectangle

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



51.4399, 52.5688, 51.1517



49.2182, 52.5688, 50.2771



48.5187, 52.5688, 63.7899



50.7195, 52.5688, 64.8145

# Sweetspot

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



51.4413, 52.5711, 51.1528



92.2720, 96.3758, 102.0183



51.4281, 49.8865, 59.3427



19.5943, 20.4247, 21.4522



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

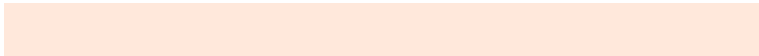


# Same Dimension

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



51.4413, 52.5711, 51.1528



82.8446, 83.9480, 79.0623



53.9357, 57.5599, 51.9843



11.5263, 11.8415, 11.7576



17.1705, 11.0740, 1.2325



0.9565, 0.7127, 0.0872

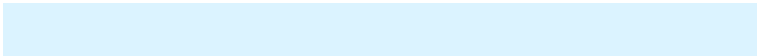


# Inverse Universe

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



49.6948, 53.6620, 64.8657



79.2777, 86.1746, 107.0627



47.2699, 48.8124, 64.0575



11.2019, 12.0442, 14.3047



12.2299, 13.4837, 37.9143



0.7002, 0.8342, 1.9791



# Previews

## White Background



This preview shows how the XYZ color 51.4399, 52.5688, 51.1517 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

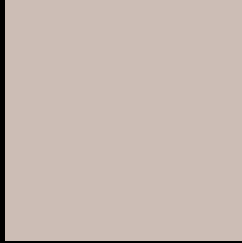
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.4399, 52.5688, 51.1517 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

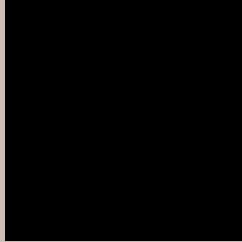
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

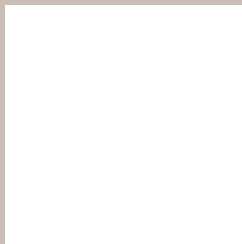
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.4399, 52.5688, 51.1517

## Background



This preview shows how black text looks on a background with the XYZ color 51.4399, 52.5688, 51.1517.



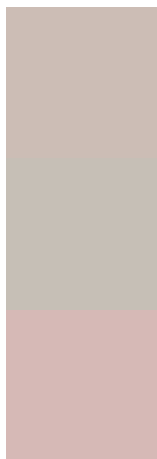
This preview shows how white text looks on a background with the XYZ color 51.4399, 52.5688,



# 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

51.4399, 52.5688, 51.1517

### Protanopia

50.3630, 52.6448, 51.7630

### Deuteranopia

53.5240, 52.3715, 51.5437



## Tritanopia

53.8336, 52.6003, 62.5739

# Trichromacy



## Original Color

51.4399, 52.5688, 51.1517

## Protanomaly

50.6764, 52.4837, 51.7154

## Deuteranomaly

52.5807, 52.1968, 51.5597

## Tritanomaly

52.9615, 52.5575, 58.3922

# Monochromacy



## Original Color

51.4399, 52.5688, 51.1517

## Achromatopsia

50.6879, 53.3276, 58.0738

## Achromatomaly

51.0609, 53.2437, 55.7300

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.4399, 52.5688, 51.1517 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(204, 189, 181)` looks like.

```
.text, #text, p{  
    color:rgb(204, 189, 181)  
}
```

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(204, 189, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 189, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 51.4399, 52.5688, 51.1517 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(204, 189, 181) }
```



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

```
.border{ border-color:rgb(204, 189, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 189, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 189, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 189, 181);  
box-shadow:4px 4px 4px 4px rgb(204, 189,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.4399, 52.5688, 51.1517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 189, 181) }
```

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

```
.background{ background-color: rgb(204,  
189, 181) }
```

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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