

# Converting Colors

XYZ(49.5485, 58.0019, 38.7210)

Have a look what the booklet for  
XYZ(49.5485, 58.0019, 38.7210)  
contains.

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# Color

**XYZ(49.5485, 58.0019,  
38.7210)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">BFCF99</a>
RGB	<a href="#">191, 207, 153</a>
RGB Percent	<a href="#">75%, 81%, 60%</a>
CMY	<a href="#">0.2510, 0.1882, 0.4000</a>
CMYK	<a href="#">0.08, 0.00, 0.26, 0.19</a>
HSL	<a href="#">78°, 36%, 71%</a>
HSV	<a href="#">78°, 26%, 81%</a>
XYZ	<a href="#">49.5485, 58.0019, 38.7210</a>
YIQ	<a href="#">196.0600, 7.7980, -20.1860</a>

# Conversions

## Conversions Part 2

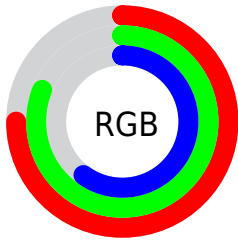
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 207, 169
Decimal	12570521
CIELab	80.74, -14.57, 25.10
CIELCh	81, 29.021, 120.144
Yxy	58.0019, 0.3387, 0.3965
Android (android.graphics.Color)	4290760601 (0xFFBFCF99)
YUV	196.0600, -21.2286, -4.4376
Hunter-Lab	76.1590, -17.1474, 23.1669

# Details

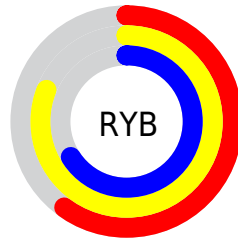
The XYZ color **49.5485, 58.0019, 38.7210** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.0181, 35.7240, 63.8736**, and the grayscale version is **52.6267, 55.3674, 60.2951**.

A 20% lighter version of the original color is **85.8566, 96.0305, 73.6851**, and **24.1060, 29.0601, 16.9090** is the 20% darker color. If you saturate the color by 10%, you get **46.4748, 56.5999, 30.4135**, and if you desaturate by 10%, it is **52.9865, 59.5610, 48.5962**.

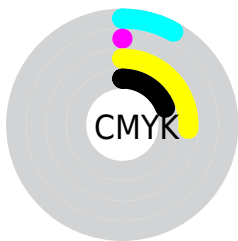
# Distribution



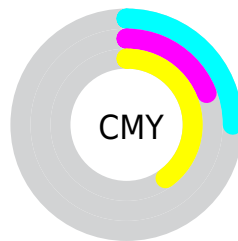
- Red (75%)
- Green (81%)
- Blue (60%)



- Red (60%)
- Yellow (81%)
- Blue (66%)



- Cyan (8%)
- Magenta (0%)
- Yellow (26%)
- Black (19%)



- Cyan (25%)
- Magenta (19%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5485, 58.0019, 38.7210 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 49.5485, 58.0019, 38.7210 by changing the saturation by 10% instead.



■ 49.5485, 58.0019,  
38.7210

■ 49.5485, 58.0019,  
38.7210

375.3789,  
417.1930, 356.0933

■ 35.2711, 41.8102,  
26.2366

■ 88.7014, 101.9256,  
74.4275

■ 24.0393, 28.9527,  
16.7734

■ 114.3076,  
130.4264, 98.4868

■ 15.4877, 19.0450,  
9.9128

144.4208,  
163.7990, 127.2413

■ 9.2509, 11.7028,  
5.2363

179.4063,  
202.4278, 161.1098

■ 4.9636, 6.5417,  
2.3254

219.6295,  
246.6972, 200.5107

■ 2.2605, 3.1772,  
0.7454

265.4558,

■ 0.7743, 1.2249,

296.9916, 245.8625

0.0000

317.2505,  
353.6954, 297.5839

0.0000, 0.0819,  
0.0000

0.0000, 0.0000,  
0.0000

49.5485, 58.0019,  
38.7210

49.5485, 58.0019,  
38.7210

46.4748, 56.5999,  
30.4135

52.9865, 59.5610,  
48.5962

43.7448, 55.3407,  
23.5892


56.7992, 61.2757,  
60.1103


41.3426, 54.2200,  
18.1615


61.0023, 63.1541,  
73.3344

39.2487, 53.2298,  
14.0332


65.6089, 65.2016,  
88.3348


 37.4417, 52.3614,  
11.0947


 70.3885, 67.3262,  
103.8931

 35.8964, 51.6047,  
9.2182


 72.2984, 68.3108,  
103.9825

 34.5816, 50.9471,  
8.2437

 74.2772, 69.3309,  
104.0751

 34.1073, 50.7077,  
7.9899

 76.3258, 70.3870,  
104.1710

 78.4448, 71.4794,  
104.2702

# Harmonies

## Analogous

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



55.1002, 58.0019, 35.5920



49.5485, 58.0019, 38.7210



45.7367, 58.0019, 48.1236

# Triad

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



49.5485, 58.0019, 38.7210



49.5950, 58.0019, 96.2755



67.4593, 58.0019, 63.0717

# Complementary

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



49.5485, 58.0019, 38.7210



39.0181, 35.7240, 63.8736

# 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.



65.7266, 58.0019, 81.0279



49.5485, 58.0019, 38.7210



55.1579, 58.0019, 102.1878

# Square

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



49.5485, 58.0019, 38.7210



45.7622, 58.0019, 81.1969



61.1137, 58.0019, 96.1661



65.6941, 58.0019, 48.0043



# Rectangle

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



49.5485, 58.0019, 38.7210



44.5483, 58.0019, 57.6776



61.1137, 58.0019, 96.1661



67.2651, 58.0019, 68.9670

# Sweetspot

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



49.5500, 58.0045, 38.7222



89.7483, 97.6264, 92.4081



45.5420, 43.6833, 36.1692



19.0062, 20.8046, 19.1583



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.



49.5500, 58.0045, 38.7222



76.7318, 91.7371, 54.7112



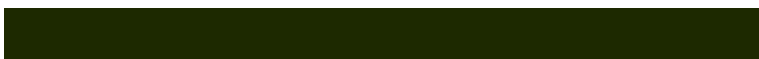
43.5192, 54.8955, 38.4400



12.4480, 13.6144, 12.5838



21.5869, 31.9974, 5.0384



1.2845, 1.8291, 0.2853



# Inverse Universe

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



39.0181, 35.7240, 63.8736



57.2189, 50.4448, 101.3288



45.2390, 38.9310, 64.1647



11.4883, 11.5850, 14.8743



8.4052, 3.5133, 37.4276



0.5497, 0.2375, 2.0964



# Previews

## White Background



This preview shows how the XYZ color 49.5485, 58.0019, 38.7210 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 49.5485, 58.0019, 38.7210 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

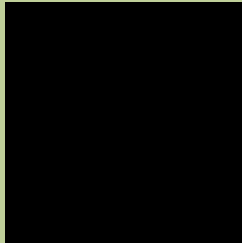
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 49.5485, 58.0019, 38.7210**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.5485, 58.0019, 38.7210.



This preview shows how white text looks on a background with the XYZ color 49.5485, 58.0019,



# 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

49.5485, 58.0019, 38.7210

### Protanopia

53.8909, 57.8067, 37.1716

### Deuteranopia

58.7821, 57.5920, 39.4707



## Tritanopia

56.5086, 58.0325, 72.5130

# Trichromacy



## Original Color

49.5485, 58.0019, 38.7210

## Protanomaly

52.3954, 58.0680, 37.7249

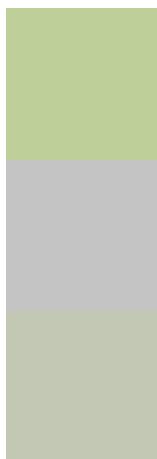
## Deuteranomaly

54.7961, 57.2045, 39.1639

## Tritanomaly

53.6609, 57.9171, 58.2201

# Monochromacy



## Original Color

49.5485, 58.0019, 38.7210

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

51.1406, 56.0732, 51.3078

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.5485, 58.0019, 38.7210 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(191, 207, 153)` looks like.

```
.text, #text, p{  
    color:rgb(191, 207, 153)  
}
```

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(191, 207, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 207, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 49.5485, 58.0019, 38.7210 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(191, 207, 153) }
```



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

```
.border{ border-color:rgb(191, 207, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 207, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 207, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 207, 153); box-shadow:4px 4px 4px 4px rgb(191, 207, 153) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.5485, 58.0019, 38.7210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 207, 153) }
```

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

```
.background{ background-color: rgb(191,  
207, 153) }
```

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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