

# Converting Colors

XYZ(51.4370, 55.7064, 48.9292)

Have a look what the booklet for  
XYZ(51.4370, 55.7064, 48.9292)  
contains.

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# Color

**XYZ(51.3193, 55.5285,  
49.0876)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6C6B0
RGB	198, 198, 176
RGB Percent	78%, 78%, 69%
CMY	0.2235, 0.2235, 0.3098
CMYK	0.00, 0.00, 0.11, 0.22
HSL	60°, 16%, 73%
HSV	60°, 11%, 78%
XYZ	51.3193, 55.5285, 49.0876
YIQ	195.4920, 7.0620, -6.8420

# Conversions

## Conversions Part 2

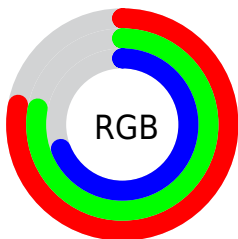
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">176, 198, 176</a>
Decimal	<a href="#">13026992</a>
CIELab	<a href="#">79.34, -3.82, 11.03</a>
CIELCh	<a href="#">79, 11.675, 109.109</a>
Yxy	<a href="#">55.5285, 0.3291, 0.3561</a>
Android (android.graphics.Color)	<a href="#">4291217072 (0xFFC6C6B0)</a>
YUV	<a href="#">195.4920, -9.6096, 2.1995</a>
Hunter-Lab	<a href="#">74.5174, -7.4747, 13.1055</a>

# Details

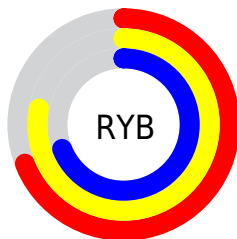
The XYZ color **51.3193, 55.5285, 49.0876** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.6250, 44.3595, 59.6919**, and the grayscale version is **52.2192, 54.9387, 59.8282**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **25.0500, 27.3059, 22.6892** is the 20% darker color. If you saturate the color by 10%, you get **49.5011, 54.8029, 39.5109**, and if you desaturate by 10%, it is **53.4263, 56.3733, 60.1718**.

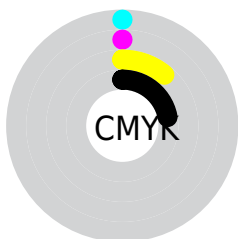
# Distribution



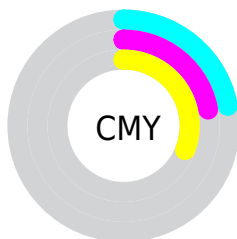
- Red (78%)
- Green (78%)
- Blue (69%)



- Red (69%)
- Yellow (78%)
- Blue (69%)



- Cyan (0%)
- Magenta (0%)
- Yellow (11%)
- Black (22%)



- Cyan (22%)
- Magenta (22%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3193, 55.5285, 49.0876 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 51.3193, 55.5285, 49.0876 by changing the saturation by 10% instead.



■ 51.3193, 55.5285,  
49.0876

■ 51.3193, 55.5285,  
49.0876

382.1703,  
407.9122, 399.7195

■ 36.6849, 39.8250,  
34.3229

■ 91.3068, 98.3149,  
90.2039

■ 25.1361, 27.4021,  
22.8624

117.3905,  
126.1665, 117.3925

■ 16.3078, 17.8755,  
14.2876

148.0214,  
158.8364, 149.5596

■ 9.8344, 10.8606,  
8.1799

183.5647,  
196.7088, 187.1235

■ 5.3507, 5.9732,  
4.1209

224.3860,  
240.1682, 230.5029

■ 2.4914, 2.8288,  
1.6919

270.8504,

■ 0.8909, 1.0430,

289.5990, 280.1164

0.3552

323.3234,  
345.3855, 336.3824

■ 0.0000, 0.0000,  
0.0000

■ 51.3193, 55.5285,  
49.0876

■ 51.3193, 55.5285,  
49.0876

■ 49.5011, 54.8029,  
39.5109

■ 53.4263, 56.3733,  
60.1718

■ 47.9549, 54.1844,  
31.3733

■ 55.8293, 57.3345,  
72.8209

■ 46.6689, 53.6699,  
24.6062

■ 58.5405, 58.4191,  
87.0935

■ 45.6290, 53.2538,  
19.1345

■ 61.5377, 59.6181,  
102.8718

■ 44.8193, 52.9298,  
14.8753

■ 61.5386, 59.6186,  
102.8718

■ 44.2223, 52.6909,  
11.7365

■ 61.5395, 59.6190,  
102.8719

■ 43.8182, 52.5292,  
9.6129

■ 61.5404, 59.6195,  
102.8719

■ 43.5830, 52.4350,  
8.3791

■ 61.5413, 59.6199,  
102.8720

■ 43.4763, 52.3922,  
7.8213

■ 61.5422, 59.6204,  
102.8720

# Harmonies

## Analogous

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



53.6326, 55.5285, 48.6729



51.3193, 55.5285, 49.0876



49.4504, 55.5285, 52.4144

# Triad

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



51.3193, 55.5285, 49.0876



49.8881, 55.5285, 70.7315



57.3195, 55.5285, 62.9277

# Complementary

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



51.3193, 55.5285, 49.0876



43.6250, 44.3595, 59.6919

# 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.



56.2520, 55.5285, 69.2919



51.3193, 55.5285, 49.0876



51.9329, 55.5285, 74.0137

# Square

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



51.3193, 55.5285, 49.0876



48.6411, 55.5285, 64.7771



54.2644, 55.5285, 73.4682



57.1434, 55.5285, 56.3412



# Rectangle

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



51.3193, 55.5285, 49.0876



48.6864, 55.5285, 55.9830



54.2644, 55.5285, 73.4682



57.0930, 55.5285, 65.1719

# Sweetspot

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



51.3208, 55.5309, 49.0888



93.8421, 99.5168, 102.5418



46.6523, 46.1924, 47.5323



20.0187, 21.2737, 21.5937



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.



51.3208, 55.5309, 49.0888



90.1626, 98.0448, 83.1743



48.5261, 54.0902, 48.9580



11.5238, 12.4169, 11.3521



28.2723, 34.0702, 5.0861



1.3388, 1.6133, 0.2408



# Inverse Universe

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



43.6250, 44.3595, 59.6919



74.2114, 74.8897, 105.1515



46.2136, 45.6940, 59.8131



10.0569, 10.2876, 13.3731



6.6291, 2.6517, 34.9068



0.3139, 0.1256, 1.6528



# Previews

## White Background



This preview shows how the XYZ color 51.3193, 55.5285, 49.0876 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 51.3193, 55.5285, 49.0876 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

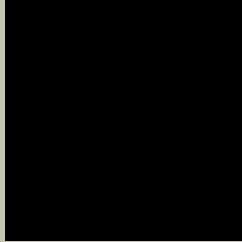
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

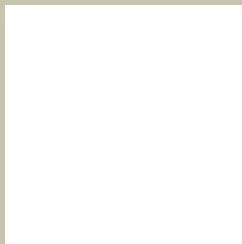
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.3193, 55.5285, 49.0876

## Background



This preview shows how black text looks on a background with the XYZ color 51.3193, 55.5285, 49.0876.



This preview shows how white text looks on a background with the XYZ color 51.3193, 55.5285,



# 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

51.3193, 55.5285, 49.0876

### Protanopia

52.6546, 55.5541, 48.5053

### Deuteranopia

56.3577, 55.1391, 49.7920



## Tritanopia

55.2072, 55.4399, 68.1128

# Trichromacy



## Original Color

51.3193, 55.5285, 49.0876

## Protanomaly

52.0612, 55.5842, 48.5423

## Deuteranomaly

54.2260, 55.0197, 49.3568

## Tritanomaly

53.6805, 55.4789, 60.7026

# Monochromacy



## Original Color

51.3193, 55.5285, 49.0876

## Achromatopsia

51.8711, 54.5724, 59.4294

## Achromatomaly

51.5820, 54.8465, 55.4447

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.3193, 55.5285, 49.0876 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(198, 198, 176)` looks like.

```
.text, #text, p{  
    color:rgb(198, 198, 176)  
}
```

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(198, 198, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 198, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 51.3193, 55.5285, 49.0876 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(198, 198, 176) }
```



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

```
.border{ border-color:rgb(198, 198, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 198, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 198, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 198, 176);  
box-shadow:4px 4px 4px 4px rgb(198, 198,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.3193, 55.5285, 49.0876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 198, 176) }
```

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

```
.background{ background-color: rgb(198,  
198, 176) }
```

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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