

# Converting Colors

XYZ(50.3654, 51.0649, 52.1763)

Have a look what the booklet for  
XYZ(50.3654, 51.0649, 52.1763)  
contains.

<b>XYZ(50.1935, 50.9542, 51.9894)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(50.1935, 50.9542,  
51.9894)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9BAB7
RGB	201, 186, 183
RGB Percent	79%, 73%, 72%
CMY	0.2118, 0.2706, 0.2823
CMYK	0.00, 0.07, 0.09, 0.21
HSL	10°, 14%, 75%
HSV	10°, 9%, 79%
XYZ	50.1935, 50.9542, 51.9894
YIQ	190.1430, 9.9030, 2.2470

# Conversions

## Conversions Part 2

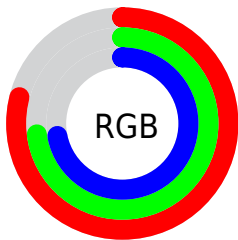
Format	Color
R <sub>Y</sub> B	201, 187, 183
Decimal	13220535
CIE Lab	76.65, 4.79, 3.42
CIE LCh	77, 5.886, 35.562
Yxy	50.9542, 0.3278, 0.3327
Android (android.graphics.Color)	4291410615 (0xFFC9BAB7)
YUV	190.1430, -3.5215, 9.5216
Hunter-Lab	71.3822, 0.5962, 6.7852

# Details

The XYZ color **50.1935, 50.9542, 51.9894** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.2649, 54.6714, 63.1622**, and the grayscale version is **49.0427, 51.5968, 56.1889**.

A 20% lighter version of the original color is **88.5721, 90.9963, 94.5571**, and **24.4494, 24.5898, 24.5768** is the 20% darker color. If you saturate the color by 10%, you get **44.9258, 43.5308, 40.6384**, and if you desaturate by 10%, it is **56.1763, 59.3285, 65.0540**.

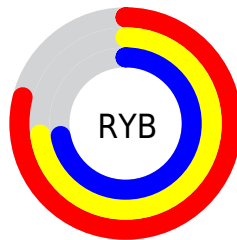
# Distribution



Red (79%)

Green (73%)

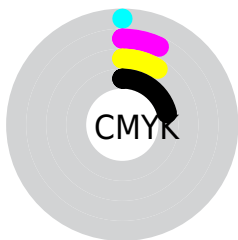
Blue (72%)



Red (79%)

Yellow (73%)

Blue (72%)

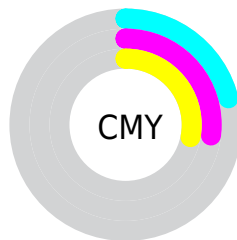


Cyan (0%)

Magenta (7%)

Yellow (9%)

Black (21%)



Cyan (21%)

Magenta (27%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1935, 50.9542, 51.9894 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 50.1935, 50.9542, 51.9894 by changing the saturation by 10% instead.



■ 50.1935, 50.9542,  
51.9894

■ 50.1935, 50.9542,  
51.9894

377.8617,  
390.3858, 411.3515

■ 35.7856, 36.1722,  
36.6144

■ 89.6516, 91.5871,  
94.5420

■ 24.4380, 24.5672,  
24.6157

115.4325,  
118.2067, 122.5568

■ 15.7853, 15.7549,  
15.5745

145.7352,  
149.5410, 155.6219

■ 9.4623, 9.3509,  
9.0725

180.9249,  
185.9743, 194.1559

■ 5.1034, 4.9707,  
4.6910

221.3671,  
227.8910, 238.5773

■ 2.3435, 2.2301,  
2.0116

267.4270,

■ 0.8168, 0.7363,

275.6756, 289.3047

0.5624

319.4701,  
329.7124, 346.7565

■ 0.0000, 0.0000,  
0.0000

■ 50.1935, 50.9542,  
51.9894

■ 50.1935, 50.9542,  
51.9894

■ 44.9258, 43.5308,  
40.6384

■ 56.1763, 59.3285,  
65.0540

■ 40.3421, 37.0181,  
30.9266

■ 62.8954, 68.6789,  
79.8960

■ 36.4154, 31.3829,  
22.7791

■ 70.3763, 79.0378,  
96.5796

■ 33.1151, 26.5875,  
16.1138

■ 77.2594, 89.8811,  
107.8845

■ 30.4082, 22.5913,  
10.8408

■ 77.8976, 91.1576,  
108.0973

■ 28.2585, 19.3504,  
6.8609

■ 26.6257, 16.8165,  
4.0614

■ 25.4640, 14.9356,  
2.3100

■ 24.7087, 13.6415,  
1.3911

# Harmonies

## Analogous

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



50.5933, 50.9542, 54.8881



50.1935, 50.9542, 51.9894



49.3218, 50.9542, 50.0820

# Triad

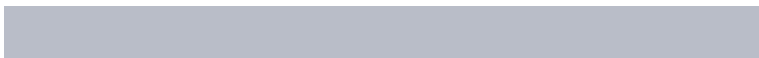
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.1935, 50.9542, 51.9894



46.5068, 50.9542, 52.9816



48.6383, 50.9542, 61.8113

# Complementary

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



50.1935, 50.9542, 51.9894



50.2649, 54.6714, 63.1622

# 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.



47.5499, 50.9542, 61.2536



50.1935, 50.9542, 51.9894



46.3301, 50.9542, 56.0771

# Square

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



50.1935, 50.9542, 51.9894



47.1956, 50.9542, 50.6393



46.7092, 50.9542, 59.1244



49.6866, 50.9542, 60.6207



# Rectangle

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



50.1935, 50.9542, 51.9894



48.5963, 50.9542, 49.5876



46.7092, 50.9542, 59.1244



48.2649, 50.9542, 61.8226

# Sweetspot

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



50.1949, 50.9564, 51.9905



91.8429, 95.5178, 101.8753



51.2145, 50.3624, 60.4482



19.4789, 20.1939, 21.4137



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

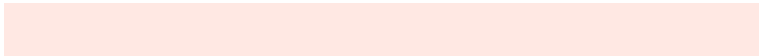


# Same Dimension

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



50.1949, 50.9564, 51.9905



83.8510, 84.3088, 84.4907



52.1503, 54.8672, 52.6423



10.7745, 10.9182, 11.1023



15.5425, 8.6023, 0.8412



0.7818, 0.4990, 0.0551

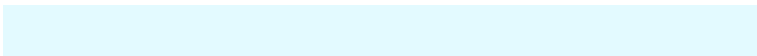


# Inverse Universe

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



50.2649, 54.6714, 63.1622



83.9977, 92.1126, 107.9601



48.2693, 50.6802, 62.4970



10.7903, 11.7546, 13.6176



15.4283, 20.2505, 37.8399



0.7717, 1.0411, 1.8054



# Previews

## White Background



This preview shows how the XYZ color 50.1935, 50.9542, 51.9894 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 50.1935, 50.9542, 51.9894 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

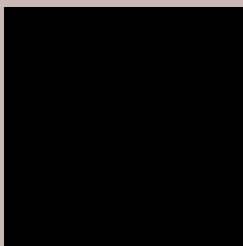
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

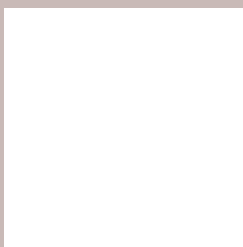
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 50.1935, 50.9542, 51.9894

## Background



This preview shows how black text looks on a background with the XYZ color 50.1935, 50.9542, 51.9894.



This preview shows how white text looks on a background with the XYZ color 50.1935, 50.9542,



# 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

50.1935, 50.9542, 51.9894

### Protanopia

48.8831, 50.8965, 52.5950

### Deuteranopia

51.8797, 50.8830, 52.4344



## Tritanopia

51.9621, 51.0547, 60.5419

# Trichromacy



## Original Color

50.1935, 50.9542, 51.9894

## Protanomaly

49.4480, 50.8717, 52.5604

## Deuteranomaly

51.2458, 50.8635, 52.4641

## Tritanomaly

51.3317, 51.1047, 57.6108

# Monochromacy



## Original Color

50.1935, 50.9542, 51.9894

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

49.4154, 51.4524, 54.3405

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.1935, 50.9542, 51.9894 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(201, 186, 183) looks like.

```
.text, #text, p{  
    color:rgb(201, 186, 183)  
}
```

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(201, 186, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 186, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 50.1935, 50.9542, 51.9894 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(201, 186, 183) }
```



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

```
.border{ border-color:rgb(201, 186, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 186, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 186, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 186, 183);  
box-shadow:4px 4px 4px 4px rgb(201, 186,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.1935, 50.9542, 51.9894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 186, 183) }
```

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

```
.background{ background-color: rgb(201,  
186, 183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor