

# Converting Colors

XYZ(49.3661, 49.4424, 53.7360)

Have a look what the booklet for  
XYZ(49.3661, 49.4424, 53.7360)  
contains.

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# Color

**XYZ(49.4563, 49.5969,  
53.9802)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7B7BB
RGB	199, 183, 187
RGB Percent	78%, 72%, 73%
CMY	0.2196, 0.2823, 0.2667
CMYK	0.00, 0.08, 0.06, 0.22
HSL	345°, 12%, 75%
HSV	345°, 8%, 78%
XYZ	49.4563, 49.5969, 53.9802
YIQ	188.2400, 8.2520, 4.6360

# Conversions

## Conversions Part 2

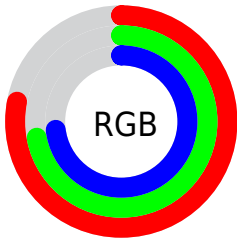
Format	Color
R <sub>Y</sub> B	199, 183, 187
Decimal	13088699
CIE Lab	75.82, 6.38, 0.02
CIE LCh	76, 6.378, 0.197
Yxy	49.5969, 0.3232, 0.3241
Android (android.graphics.Color)	4291278779 (0xFFC7B7BB)
YUV	188.2400, -0.6113, 9.4365
Hunter-Lab	70.4251, 2.1085, 3.8523

# Details

The XYZ color **49.4563, 49.5969, 53.9802** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.8041, 54.8556, 59.5957**, and the grayscale version is **47.9376, 50.4341, 54.9227**.

A 20% lighter version of the original color is **88.2842, 89.4641, 97.4092**, and **23.9628, 23.7062, 25.8670** is the 20% darker color. If you saturate the color by 10%, you get **44.1227, 41.3552, 44.7233**, and if you desaturate by 10%, it is **55.5393, 59.0701, 64.3078**.

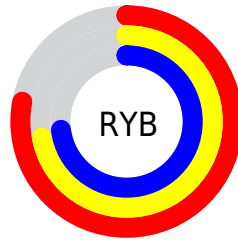
# Distribution



Red (78%)

Green (72%)

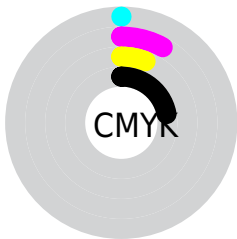
Blue (73%)



Red (78%)

Yellow (72%)

Blue (73%)

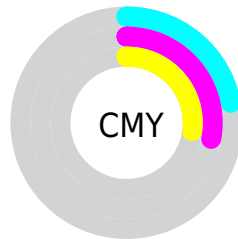


Cyan (0%)

Magenta (8%)

Yellow (6%)

Black (22%)



Cyan (22%)

Magenta (28%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4563, 49.5969, 53.9802 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 49.4563, 49.5969, 53.9802 by changing the saturation by 10% instead.





 49.4563, 49.5969,  
53.9802

 49.4563, 49.5969,  
53.9802


375.0231,  
385.0875, 419.2070

 35.1976, 35.0932,  
38.1928


 88.5654, 89.5773,  
97.5013

 23.9824, 23.7347,  
25.8293


114.1466,  
115.8229, 126.0720

 15.4452, 15.1369,  
16.4714


144.2326,  
146.7512, 159.7409

 9.2208, 8.9155,  
9.7004

179.1889,  
182.7466, 198.9265

 4.9437, 4.6861,  
5.0978

219.3807,  
224.1935, 244.0474

 2.2487, 2.0643,  
2.2450

265.1734,

 0.7682, 0.6444,

271.4764, 295.5221

0.7002

316.9325,  
324.9796, 353.7691

■ 0.0000, 0.0000,  
0.0000

■ 49.4563, 49.5969,  
53.9802

■ 49.4563, 49.5969,  
53.9802

■ 44.1227, 41.3552,  
44.7233

■ 55.5393, 59.0701,  
64.3078

■ 39.5048, 34.2879,  
36.4992

■ 62.3949, 69.8158,  
75.7359

■ 35.5730, 28.3433,  
29.2724

■ 70.0510, 81.8811,  
88.2972

■ 32.2936, 23.4632,  
23.0041

■ 76.0579, 90.3600,  
101.1972

■ 29.6302, 19.5841,  
17.6529

■ 77.3635, 90.8823,  
108.0723

■ 27.5425, 16.6357,  
13.1744

■ 25.9854, 14.5385,  
9.5201

■ 24.9066, 13.1997,  
6.6362

■ 24.2304, 12.4808,  
4.4577

# Harmonies

## Analogous

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



49.1457, 49.5969, 57.3120



49.4563, 49.5969, 53.9802



49.1377, 49.5969, 50.7858

# Triad

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



49.4563, 49.5969, 53.9802



46.0034, 49.5969, 48.5555



46.0167, 49.5969, 59.8666

# Complementary

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



49.4563, 49.5969, 53.9802



49.8041, 54.8556, 59.5957

# 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.



45.1979, 49.5969, 57.3524



49.4563, 49.5969, 53.9802



45.1903, 49.5969, 50.8231

# Square

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



49.4563, 49.5969, 53.9802



47.1325, 49.5969, 47.7351



44.8979, 49.5969, 54.0250



47.1482, 49.5969, 60.7960



# Rectangle

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



49.4563, 49.5969, 53.9802



48.6144, 49.5969, 49.1419



44.8979, 49.5969, 54.0250



45.6964, 49.5969, 59.1737

# Sweetspot

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



49.4577, 49.5991, 53.9813



92.8346, 96.5451, 105.1530



49.7496, 49.5948, 60.9842



19.8936, 20.7008, 22.5464



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.



49.4577, 49.5991, 53.9813



84.5194, 83.6244, 90.9451



49.8723, 51.1036, 52.0377



10.7408, 10.6797, 11.6181



15.5415, 7.9662, 2.7957



0.7660, 0.3892, 0.2909



# Inverse Universe

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



49.4577, 49.5991, 53.9813



84.5194, 83.6244, 90.9451



49.3540, 53.2225, 61.7053



10.7408, 10.6797, 11.6181



15.5415, 7.9662, 2.7957

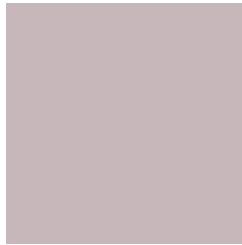


0.7660, 0.3892, 0.2909



# Previews

## White Background



This preview shows how the XYZ color 49.4563, 49.5969, 53.9802 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 49.4563, 49.5969, 53.9802 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

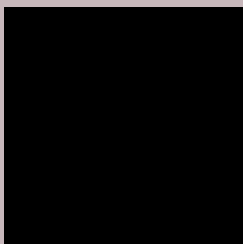
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

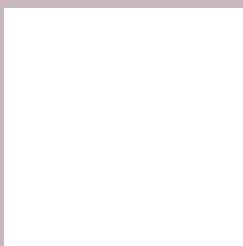
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 49.4563, 49.5969, 53.9802**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.4563, 49.5969, 53.9802.



This preview shows how white text looks on a background with the XYZ color 49.4563, 49.5969,



# 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

49.4563, 49.5969, 53.9802

### Protanopia

47.9794, 49.7391, 55.2159

### Deuteranopia

50.6704, 49.6147, 53.9197



## Tritanopia

50.5112, 49.7208, 59.1594

# Trichromacy



## Original Color

49.4563, 49.5969, 53.9802

## Protanomaly

48.4184, 49.6662, 54.6116

## Deuteranomaly

50.3262, 49.7403, 53.9621

## Tritanomaly

50.1730, 49.5855, 57.3786

# Monochromacy



## Original Color

49.4563, 49.5969, 53.9802

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

48.3742, 49.9551, 54.6697

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.4563, 49.5969, 53.9802 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(199, 183, 187)` looks like.

```
.text, #text, p{  
    color:rgb(199, 183, 187)  
}
```

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(199, 183, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 183, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 49.4563, 49.5969, 53.9802 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(199, 183, 187) }
```



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

```
.border{ border-color:rgb(199, 183, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 183, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 183, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 183, 187); box-shadow:4px 4px 4px 4px rgb(199, 183, 187) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.4563, 49.5969, 53.9802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 183, 187) }
```

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

```
.background{ background-color: rgb(199,  
183, 187) }
```

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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