

# Converting Colors

XYZ(49.7029, 50.2223, 56.9528)

Have a look what the booklet for  
XYZ(49.7029, 50.2223, 56.9528)  
contains.

<b>XYZ(49.6283, 50.2395, 56.9507)</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(49.6283, 50.2395,  
56.9507)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4B9C0
RGB	196, 185, 192
RGB Percent	77%, 73%, 75%
CMY	0.2314, 0.2745, 0.2471
CMYK	0.00, 0.06, 0.02, 0.23
HSL	322°, 9%, 75%
HSV	322°, 6%, 77%
XYZ	49.6283, 50.2395, 56.9507
YIQ	189.0870, 4.3090, 4.5090

# Conversions

## Conversions Part 2

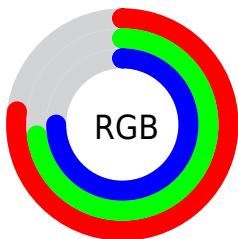
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 185, 192
Decimal	12892608
CIE Lab	76.22, 5.14, -2.15
CIE LCh	76, 5.573, 337.316
Yxy	50.2395, 0.3165, 0.3204
Android (android.graphics.Color)	4291082688 (0xFFC4B9C0)
YUV	189.0870, 1.4361, 6.0627
Hunter-Lab	70.8798, 0.9416, 1.9774

# Details

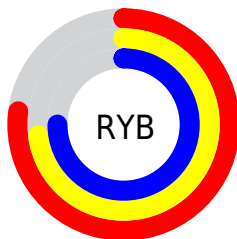
The XYZ color **49.6283, 50.2395, 56.9507** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.9347, 53.4695, 55.8881**, and the grayscale version is **48.4111, 50.9322, 55.4652**.

A 20% lighter version of the original color is **88.9066, 90.5706, 101.6029**, and **24.0668, 24.1174, 27.8128** is the 20% darker color. If you saturate the color by 10%, you get **45.0369, 42.2898, 51.6173**, and if you desaturate by 10%, it is **54.8261, 59.3393, 62.6763**.

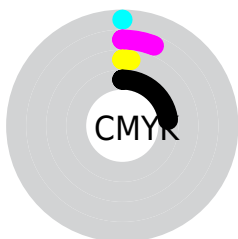
# Distribution



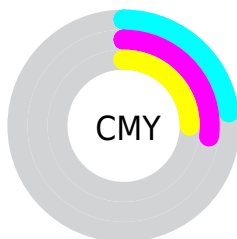
- Red (77%)
- Green (73%)
- Blue (75%)



- Red (77%)
- Yellow (73%)
- Blue (75%)



- Cyan (0%)
- Magenta (6%)
- Yellow (2%)
- Black (23%)



- Cyan (23%)
- Magenta (27%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6283, 50.2395, 56.9507 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 49.6283, 50.2395, 56.9507 by changing the saturation by 10% instead.



■ 49.6283, 50.2395,  
56.9507

■ 49.6283, 50.2395,  
56.9507

375.6866,  
387.6018, 430.7531

■ 35.3347, 35.6037,  
40.5566

■ 88.8190, 90.5296,  
101.8929

■ 24.0886, 24.1283,  
27.6557

114.4469,  
116.9528, 131.2780

■ 15.5244, 15.4288,  
17.8295

144.5836,  
148.0739, 165.8305

■ 9.2770, 9.1209,  
10.6595

179.5944,  
184.2772, 205.9690

■ 4.9808, 4.8201,  
5.7271

219.8448,  
225.9473, 252.1119

■ 2.2707, 2.1421,  
2.6137

265.7001,

■ 0.7796, 0.6882,

273.4685, 304.6779

0.8995

317.5256,  
327.2252, 364.0855

■ 0.0000, 0.0000,  
0.0000

■ 49.6283, 50.2395,  
56.9507

■ 49.6283, 50.2395,  
56.9507

■ 45.0369, 42.2898,  
51.6173

■ 54.8261, 59.3393,  
62.6763

■ 41.0241, 35.4375,  
46.6623

■ 60.6481, 69.6263,  
68.8007

■ 37.5662, 29.6356,  
42.0758

■ 67.1169, 81.1439,  
75.3346

■ 34.6361, 24.8308,  
37.8459

■ 71.5121, 88.4507,  
81.3738

■ 32.2047, 20.9654,  
33.9601

■ 72.4798, 88.8377,  
86.4693

■ 30.2394, 17.9756,  
30.4046

■ 73.4882, 89.2411,  
91.7796

■ 28.7040, 15.7897,  
27.1645

■ 74.5379, 89.6610,  
97.3073

■ 27.5563, 14.3245,  
24.2226

■ 75.6294, 90.0976,  
103.0548

■ 26.7443, 13.4769,  
21.5585

■ 76.5752, 90.4759,  
108.0354

# Harmonies

## Analogous

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



48.9791, 50.2395, 59.4056



49.6283, 50.2395, 56.9507



49.7711, 50.2395, 53.9731

# Triad

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



49.6283, 50.2395, 56.9507



47.4958, 50.2395, 49.1931



46.1715, 50.2395, 58.2638

# Complementary

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



49.6283, 50.2395, 56.9507



48.9347, 53.4695, 55.8881

# 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.



45.7866, 50.2395, 55.4380



49.6283, 50.2395, 56.9507



46.5439, 50.2395, 50.2540

# Square

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



49.6283, 50.2395, 56.9507



48.5299, 50.2395, 49.5649



45.9219, 50.2395, 52.5138



46.9808, 50.2395, 60.1829



# Rectangle

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



49.6283, 50.2395, 56.9507



49.5580, 50.2395, 52.1049



45.9219, 50.2395, 52.5138



45.9888, 50.2395, 57.3845

# Sweetspot

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



49.6297, 50.2417, 56.9518



93.1473, 96.6702, 106.7995



48.2638, 49.4856, 59.2330



19.9573, 20.7263, 22.8816



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.



49.6297, 50.2417, 56.9518



88.5898, 88.7241, 101.6766



49.0478, 50.0089, 53.8875



10.5278, 10.5149, 12.0833



17.0366, 8.5044, 13.3705



0.7682, 0.3803, 0.7469



# Inverse Universe

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



49.6297, 50.2417, 56.9518



88.5898, 88.7241, 101.6766



49.5260, 53.7060, 59.0021



10.5278, 10.5149, 12.0833



17.0366, 8.5044, 13.3705

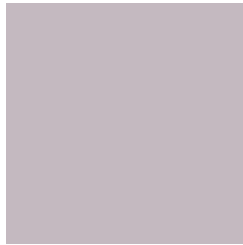


0.7682, 0.3803, 0.7469



# Previews

## White Background



This preview shows how the XYZ color 49.6283, 50.2395, 56.9507 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

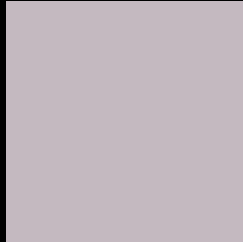
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.6283, 50.2395, 56.9507 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

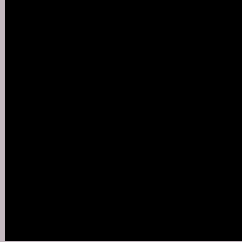
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 49.6283, 50.2395, 56.9507**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.6283, 50.2395, 56.9507.



This preview shows how white text looks on a background with the XYZ color 49.6283, 50.2395,



# 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

49.6283, 50.2395, 56.9507

### Protanopia

48.6312, 50.3381, 57.6052

### Deuteranopia

51.2554, 50.1435, 57.4293



## Tritanopia

50.3595, 50.2285, 60.4669

# Trichromacy



## Original Color

49.6283, 50.2395, 56.9507

## Protanomaly

48.9228, 50.1745, 57.5582

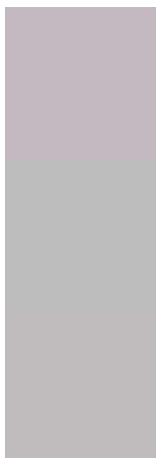
## Deuteranomaly

50.6465, 50.1347, 57.4597

## Tritanomaly

50.1303, 50.1368, 59.2598

# Monochromacy



## Original Color

49.6283, 50.2395, 56.9507

## Achromatopsia

48.3692, 50.8881, 55.4172

## Achromatomaly

49.0157, 50.8906, 55.9547

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.6283, 50.2395, 56.9507 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(196, 185, 192)` looks like.

```
.text, #text, p{  
    color:rgb(196, 185, 192)  
}
```

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(196, 185, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 185, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 49.6283, 50.2395, 56.9507 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(196, 185, 192) }
```



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

```
.border{ border-color:rgb(196, 185, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 185, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 185, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 185, 192);  
box-shadow:4px 4px 4px 4px rgb(196, 185,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.6283, 50.2395, 56.9507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 185, 192) }
```

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

```
.background{ background-color: rgb(196,  
185, 192) }
```

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