

Converting Colors

XYZ(49.4199, 49.8225, 56.8812)

Have a look what the booklet for
XYZ(49.4199, 49.8225, 56.8812)
contains.

XYZ(49.4199, 49.8225, 56.8812)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.4199, 49.8225,
56.8812)**

Conversions

Conversions Part 1

Format	Color
Hex	C4B8C0
RGB	196, 184, 192
RGB Percent	77%, 72%, 75%
CMY	0.2314, 0.2784, 0.2471
CMYK	0.00, 0.06, 0.02, 0.23
HSL	320°, 9%, 75%
HSV	320°, 6%, 77%
XYZ	49.4199, 49.8225, 56.8812
YIQ	188.5000, 4.5840, 5.0320

Conversions

Conversions Part 2

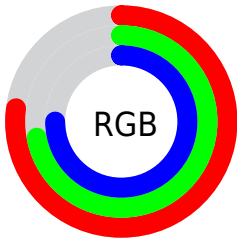
Format	Color
R_{YB}	196, 184, 192
Decimal	12892352
CIE Lab	75.96, 5.68, -2.52
CIE LCh	76, 6.216, 336.036
Yxy	49.8225, 0.3165, 0.3191
Android (android.graphics.Color)	4291082432 (0xFFC4B8C0)
YUV	188.5000, 1.7255, 6.5775
Hunter-Lab	70.5851, 1.4524, 1.6305

Details

The XYZ color **49.4199, 49.8225, 56.8812** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.5861, 53.3024, 55.3072**, and the grayscale version is **48.0742, 50.5778, 55.0793**.

A 20% lighter version of the original color is **88.6114, 89.9801, 101.5045**, and **23.9318, 23.8475, 27.7678** is the 20% darker color. If you saturate the color by 10%, you get **44.9195, 41.9544, 51.8878**, and if you desaturate by 10%, it is **54.5194, 58.8360, 62.2341**.

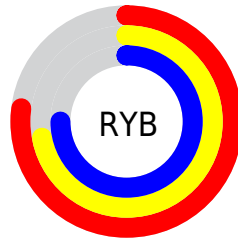
Distribution



Red (77%)

Green (72%)

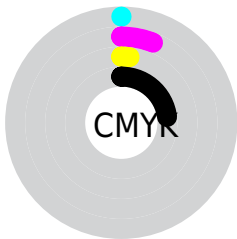
Blue (75%)



Red (77%)

Yellow (72%)

Blue (75%)

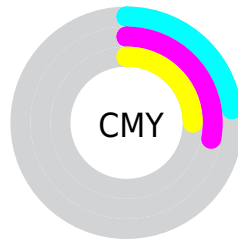


Cyan (0%)

Magenta (6%)

Yellow (2%)

Black (23%)



Cyan (23%)


Magenta (28%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4199, 49.8225, 56.8812 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 49.4199, 49.8225, 56.8812 by changing the saturation by 10% instead.


 49.4199, 49.8225,
56.8812

 49.4199, 49.8225,
56.8812


374.8826,
385.9714, 430.4853

 35.1686, 35.2724,
40.5011


 88.5118, 89.9118,
101.7904

 23.9599, 23.8728,
27.6127


114.0830,
116.2198, 131.1567

 15.4284, 15.2393,
17.7974

144.1583,
147.2159, 165.6888

 9.2089, 8.9875,
10.6367

179.1030,
183.2845, 205.8052

 4.9359, 4.7330,
5.7120

219.2824,
224.8099, 251.9245

 2.2441, 2.0915,
2.6048

265.0619,

 0.7658, 0.6598,

272.1766, 304.4653

0.8950

316.8069,
325.7690, 363.8460

■ 0.0000, 0.0000,
0.0000

■ 49.4199, 49.8225,
56.8812

■ 49.4199, 49.8225,
56.8812

■ 44.9195, 41.9544,
51.8878

■ 54.5194, 58.8360,
62.2341

■ 40.9905, 35.1789,
47.2410

■ 60.2359, 69.0321,
67.9528

■ 37.6093, 29.4487,
42.9312

■ 66.5917, 80.4541,
74.0472

■ 34.7488, 24.7106,
38.9475

■ 71.1988, 88.3254,
79.7232

■ 32.3797, 20.9067,
35.2779

■ 72.0719, 88.6746,
84.3210

■ 30.4696, 17.9727,
31.9093

■ 72.9792, 89.0375,
89.0984

■ 28.9822, 15.8366,
28.8274

■ 73.9209, 89.4142,
94.0574

■ 27.8749, 14.4144,
26.0158

■ 74.8975, 89.8048,
99.2000

■ 27.0942, 13.5996,
23.4541

■ 75.9093, 90.2095,
104.5280

Harmonies

Analogous

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



48.6775, 49.8225, 59.5730



49.4199, 49.8225, 56.8812



49.6050, 49.8225, 53.5801

Triad

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



49.4199, 49.8225, 56.8812



47.1209, 49.8225, 48.1474



45.5760, 49.8225, 58.0890

Complementary

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



49.4199, 49.8225, 56.8812



48.5861, 53.3024, 55.3072

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.



45.1737, 49.8225, 54.9219



49.4199, 49.8225, 56.8812



46.0562, 49.8225, 49.2506

Square

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



49.4199, 49.8225, 56.8812



48.2654, 49.8225, 48.6242



45.3480, 49.8225, 51.6978



46.4557, 49.8225, 60.2900

Rectangle

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



49.4199, 49.8225, 56.8812



49.3849, 49.8225, 51.4956



45.3480, 49.8225, 51.6978



45.3811, 49.8225, 57.0972

Sweetspot

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



49.4213, 49.8247, 56.8823



93.1719, 96.6800, 106.9293



47.8453, 48.9603, 59.1539



19.9623, 20.7283, 22.9080



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.



49.4213, 49.8247, 56.8823



88.6741, 88.7578, 102.1204



48.7701, 49.5642, 53.4530



10.5384, 10.5191, 12.1390



17.2858, 8.6041, 14.6831



0.7778, 0.3841, 0.7971

Inverse Universe

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



49.4213, 49.8247, 56.8823



88.6741, 88.7578, 102.1204



49.2463, 53.5665, 58.7839



10.5384, 10.5191, 12.1390



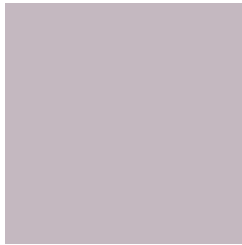
17.2858, 8.6041, 14.6831



0.7778, 0.3841, 0.7971

Previews

White Background



This preview shows how the XYZ color 49.4199, 49.8225, 56.8812 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 49.4199, 49.8225, 56.8812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

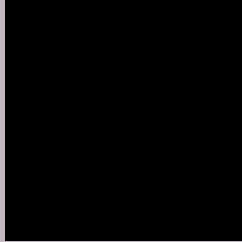
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4199, 49.8225, 56.8812

Background



This preview shows how black text looks on a background with the XYZ color 49.4199, 49.8225, 56.8812.



This preview shows how white text looks on a background with the XYZ color 49.4199, 49.8225,

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

49.4199, 49.8225, 56.8812

Protanopia

48.1708, 49.7869, 57.5230

Deuteranopia

50.8710, 49.9582, 56.8309



Tritanopia

50.1525, 49.8145, 60.3979

Trichromacy



Original Color

49.4199, 49.8225, 56.8812

Protanomaly

48.7128, 49.7546, 57.4882

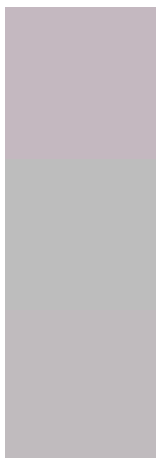
Deuteranomaly

50.2673, 49.9521, 56.8615

Tritanomaly

49.9232, 49.7228, 59.1908

Monochromacy



Original Color

49.4199, 49.8225, 56.8812

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.8028, 50.4648, 55.8837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4199, 49.8225, 56.8812 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, 184, 192) looks like.

```
.text, #text, p{  
    color:rgb(196, 184, 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, 184, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 184, 192) }
```

Border

The CSS property to change the border of an element to XYZ 49.4199, 49.8225, 56.8812 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, 184, 192) }
```


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

```
.border{ border-color:rgb(196, 184, 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, 184, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 184, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 184, 192);  
box-shadow:4px 4px 4px 4px rgb(196, 184,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4199, 49.8225, 56.8812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 184, 192) }
```

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

```
.background{ background-color: rgb(196,  
184, 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](#).

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