

Converting Colors

XYZ(50.0011, 49.8149, 56.8491)

Have a look what the booklet for
XYZ(50.0011, 49.8149, 56.8491)
contains.

XYZ(50.0011, 49.8149, 56.8491)	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(50.0011, 49.8149,
56.8491)**

Conversions

Conversions Part 1

Format	Color
Hex	C7B7C0
RGB	199, 183, 192
RGB Percent	78%, 72%, 75%
CMY	0.2196, 0.2823, 0.2471
CMYK	0.00, 0.08, 0.04, 0.22
HSL	326°, 12%, 75%
HSV	326°, 8%, 78%
XYZ	50.0011, 49.8149, 56.8491
YIQ	188.8100, 6.6470, 6.1910

Conversions

Conversions Part 2

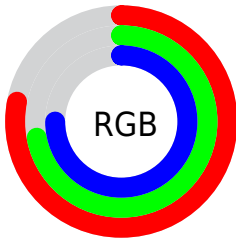
Format	Color
R_{YB}	199, 183, 192
Decimal	13088704
CIE Lab	75.96, 7.27, -2.50
CIE LCh	76, 7.689, 341.006
Yxy	49.8149, 0.3192, 0.3180
Android (android.graphics.Color)	4291278784 (0xFFC7B7C0)
YUV	188.8100, 1.5727, 8.9366
Hunter-Lab	70.5797, 2.9412, 1.6500

Details

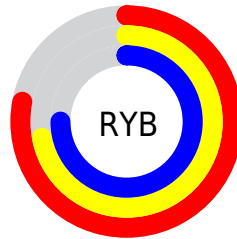
The XYZ color **50.0011, 49.8149, 56.8491** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.2480, 54.6331, 56.6674**, and the grayscale version is **48.2511, 50.7639, 55.2819**.

A 20% lighter version of the original color is **89.0498, 89.7703, 101.4409**, and **24.3199, 23.8491, 27.7476** is the 20% darker color. If you saturate the color by 10%, you get **45.2471, 41.8050, 50.6444**, and if you desaturate by 10%, it is **55.3954, 59.0126, 63.5502**.

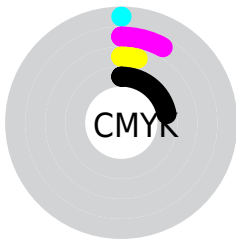
Distribution



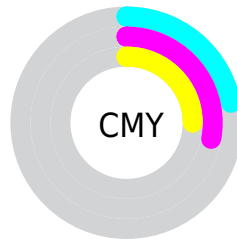
- Red (78%)
- Green (72%)
- Blue (75%)



- Red (78%)
- Yellow (72%)
- Blue (75%)



- Cyan (0%)
- Magenta (8%)
- Yellow (4%)
- Black (22%)



- Cyan (22%)
- Magenta (28%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0011, 49.8149, 56.8491 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 50.0011, 49.8149, 56.8491 by changing the saturation by 10% instead.

■ 50.0011, 49.8149,
56.8491

■ 50.0011, 49.8149,
56.8491

377.1222,
385.9416, 430.3615

■ 35.6321, 35.2663,
40.4755

■ 89.3683, 89.9006,
101.7431

■ 24.3190, 23.8681,
27.5929

115.0972,
116.2065, 131.1007

■ 15.6964, 15.2358,
17.7827

145.3435,
147.2003, 165.6233

■ 9.3991, 8.9851,
10.6262

180.4724,
183.2664, 205.7295

■ 5.0616, 4.7314,
5.7051

220.8494,
224.7892, 251.8379

■ 2.3186, 2.0906,
2.6007

266.8398,

■ 0.8041, 0.6593,

272.1530, 304.3670

0.8928

318.8089,
325.7424, 363.7354

■ 0.0000, 0.0000,
0.0000

■ 50.0011, 49.8149,
56.8491

■ 50.0011, 49.8149,
56.8491

■ 45.2471, 41.8050,
50.6444

■ 55.3954, 59.0126,
63.5502

■ 41.1039, 34.9276,
44.9195

■ 61.4495, 69.4377,
70.7570

■ 37.5459, 29.1325,
39.6616

■ 68.1872, 81.1356,
78.4826

■ 34.5443, 24.3635,
34.8560

■ 73.1556, 89.1991,
85.9140

■ 32.0673, 20.5590,
30.4869

■ 74.3872, 89.6918,
92.3996

■ 30.0801, 17.6507,
26.5372

■ 75.6805, 90.2091,
99.2100

■ 28.5430, 15.5616,
22.9881

■ 77.0363, 90.7514,
106.3495

■ 27.4099, 14.2010,
19.8185

■ 77.3635, 90.8823,
108.0723

■ 26.6120, 13.4335,
16.9994

Harmonies

Analogous

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



49.1787, 49.8149, 60.4158



50.0011, 49.8149, 56.8491



50.1042, 49.8149, 52.7472

Triad

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



50.0011, 49.8149, 56.8491



46.8234, 49.8149, 46.8566



45.2985, 49.8149, 59.5844

Complementary

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



50.0011, 49.8149, 56.8491



49.2480, 54.6331, 56.6674

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.



44.6940, 49.8149, 55.7606



50.0011, 49.8149, 56.8491



45.5625, 49.8149, 48.5001

Square

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



50.0011, 49.8149, 56.8491



48.2500, 49.8149, 47.1151



44.7896, 49.8149, 51.7119



46.4564, 49.8149, 62.0492

Rectangle

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



50.0011, 49.8149, 56.8491



49.7488, 49.8149, 50.2755



44.7896, 49.8149, 51.7119



45.0249, 49.8149, 58.4075

Sweetspot

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



50.0025, 49.8171, 56.8502



93.0873, 96.6462, 106.4835



48.4628, 48.9315, 60.9239



19.9451, 20.7214, 22.8173



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.



50.0025, 49.8171, 56.8502



85.7029, 84.0978, 97.1773



49.1472, 49.4749, 52.3459



10.8795, 10.7352, 12.3486



17.0677, 8.5766, 10.8321



0.8441, 0.4205, 0.7021

Inverse Universe

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



50.0025, 49.8171, 56.8502



85.7029, 84.0978, 97.1773



50.1388, 54.9894, 61.3580



10.8795, 10.7352, 12.3486



17.0677, 8.5766, 10.8321



0.8441, 0.4205, 0.7021

Previews

White Background



This preview shows how the XYZ color 50.0011, 49.8149, 56.8491 looks on a white background.

Color Contrast Check

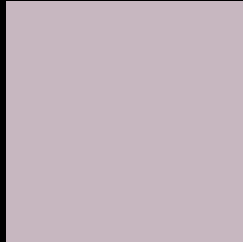
Large Text (above 18pt) WCAG AA × Fail

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 50.0011, 49.8149, 56.8491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

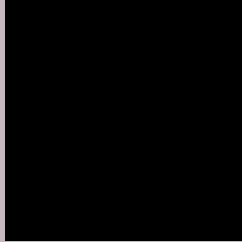
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.0011, 49.8149, 56.8491

Background



This preview shows how black text looks on a background with the XYZ color 50.0011, 49.8149, 56.8491.



This preview shows how white text looks on a background with the XYZ color 50.0011, 49.8149,

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

50.0011, 49.8149, 56.8491

Protanopia

48.2828, 49.8317, 58.1126

Deuteranopia

50.8710, 49.9582, 56.8309



Tritanopia

50.6254, 49.7665, 59.7610

Trichromacy



Original Color

50.0011, 49.8149, 56.8491

Protanomaly

48.9669, 49.8856, 57.5001

Deuteranomaly

50.5995, 49.8182, 56.8182

Tritanomaly

50.3977, 49.6754, 58.5618

Monochromacy



Original Color

50.0011, 49.8149, 56.8491

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.0569, 50.5958, 55.8956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0011, 49.8149, 56.8491 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, 192)` looks like.

```
.text, #text, p{  
    color:rgb(199, 183, 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(199, 183, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 183, 192) }
```

Border

The CSS property to change the border of an element to XYZ 50.0011, 49.8149, 56.8491 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, 192) }
```


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

```
.border{ border-color:rgb(199, 183, 192) }
```

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, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 183, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 183, 192);  
box-shadow:4px 4px 4px 4px rgb(199, 183,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0011, 49.8149, 56.8491 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, 192) }
```

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

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