

Converting Colors

XYZ(49.2422, 50.1780, 51.6703)

Have a look what the booklet for
XYZ(49.2422, 50.1780, 51.6703)
contains.

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Color

**XYZ(49.1849, 50.1226,
51.8820)**

Conversions

Conversions Part 1

Format	Color
Hex	C6B9B7
RGB	198, 185, 183
RGB Percent	78%, 73%, 72%
CMY	0.2235, 0.2745, 0.2823
CMYK	0.00, 0.07, 0.08, 0.22
HSL	8°, 12%, 75%
HSV	8°, 8%, 78%
XYZ	49.1849, 50.1226, 51.8820
YIQ	188.6590, 8.3900, 2.1340

Conversions

Conversions Part 2

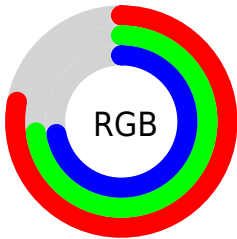
Format	Color
R_{YB}	198, 185, 183
Decimal	13023671
CIE Lab	76.14, 4.25, 2.66
CIE LCh	76, 5.010, 32.030
Yxy	50.1226, 0.3253, 0.3315
Android (android.graphics.Color)	4291213751 (0xFFC6B9B7)
YUV	188.6590, -2.7899, 8.1921
Hunter-Lab	70.7973, 0.1137, 6.1090

Details

The XYZ color **49.1849, 50.1226, 51.8820** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.4612, 53.6234, 61.1701**, and the grayscale version is **48.1883, 50.6978, 55.2099**.

A 20% lighter version of the original color is **88.2753, 90.4026, 94.4582**, and **23.7821, 24.0435, 24.5065** is the 20% darker color. If you saturate the color by 10%, you get **43.8927, 42.6072, 40.6555**, and if you desaturate by 10%, it is **55.2029, 58.6245, 64.7820**.

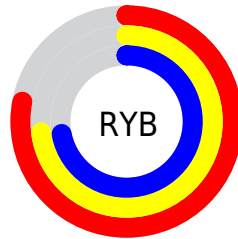
Distribution



Red (78%)

Green (73%)

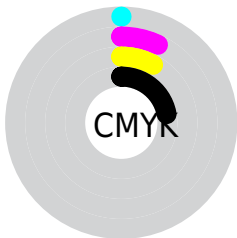
Blue (72%)



Red (78%)

Yellow (73%)

Blue (72%)

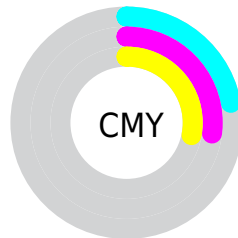


Cyan (0%)

Magenta (7%)

Yellow (8%)

Black (22%)



Cyan (22%)


Magenta (27%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1849, 50.1226, 51.8820 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 49.1849, 50.1226, 51.8820 by changing the saturation by 10% instead.


 49.1849, 50.1226,
51.8820

 49.1849, 50.1226,
51.8820


373.9747,
387.1452, 410.9249

 34.9813, 35.5108,
36.5294


 88.1651, 90.3565,
94.3820

 23.8149, 24.0566,
24.5504

113.6724,
116.7474, 122.3665

 15.3204, 15.3756,
15.5265

143.6783,
147.8335, 155.3988

 9.1323, 9.0834,
9.0390

178.5482,
183.9991, 193.8973

 4.8854, 4.7956,
4.6695

218.6474,
225.6287, 238.2806

 2.2142, 2.1279,
1.9993

264.3414,

 0.7502, 0.6802,

273.1067, 288.9673

0.5549

315.9953,
326.8174, 346.3759

■ 0.0000, 0.0000,
0.0000

■ 49.1849, 50.1226,
51.8820

■ 49.1849, 50.1226,
51.8820

■ 43.8927, 42.6072,
40.6555

■ 55.2029, 58.6245,
64.7820

■ 39.2948, 36.0362,
31.0308

■ 61.9684, 68.1399,
79.4169

■ 35.3634, 30.3741,
22.9357

■ 69.5075, 78.7032,
95.8487

■ 32.0673, 25.5808,
16.2912

■ 76.6622, 89.8723,
107.9143

■ 29.3727, 21.6130,
11.0113

■ 77.0990, 90.7459,
108.0599

■ 27.2429, 18.4240,
7.0008

■ 25.6367, 15.9619,
4.1523

■ 24.5074, 14.1689,
2.3405

■ 23.7950, 12.9760,
1.3883

Harmonies

Analogous

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



49.4646, 50.1226, 54.3923



49.1849, 50.1226, 51.8820



48.4906, 50.1226, 50.1405

Triad

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



49.1849, 50.1226, 51.8820



46.0654, 50.1226, 52.1889



47.7039, 50.1226, 59.8996

Complementary

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



49.1849, 50.1226, 51.8820



49.4612, 53.6234, 61.1701

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.



46.7994, 50.1226, 59.2635



49.1849, 50.1226, 51.8820



45.8608, 50.1226, 54.7581

Square

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



49.1849, 50.1226, 51.8820



46.6902, 50.1226, 50.3136



46.1278, 50.1226, 57.3596



48.6027, 50.1226, 59.0705

Rectangle

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



49.1849, 50.1226, 51.8820



47.8904, 50.1226, 49.6194



46.1278, 50.1226, 57.3596



47.3905, 50.1226, 59.8500

Sweetspot

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



49.1863, 50.1248, 51.8831



92.8461, 96.8889, 104.1682



50.1866, 49.8589, 59.2038



19.8960, 20.7708, 22.3458



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.



49.1863, 50.1248, 51.8831



85.5540, 86.5719, 88.5820



50.7962, 53.3445, 52.4197



10.7462, 10.8616, 11.0929



15.4283, 8.3738, 0.8032



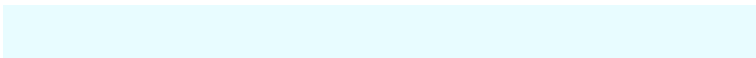
0.7689, 0.4732, 0.0508

Inverse Universe

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



49.4612, 53.6234, 61.1701



86.1348, 93.9638, 108.2048



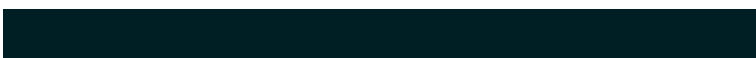
47.8124, 50.3256, 60.6205



10.8212, 11.8165, 13.6280



16.2128, 21.8196, 38.1015



0.8021, 1.1019, 1.8156

Previews

White Background



This preview shows how the XYZ color 49.1849, 50.1226, 51.8820 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 49.1849, 50.1226, 51.8820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

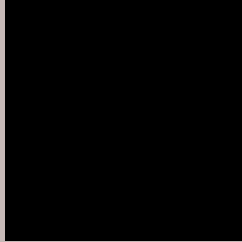
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1849, 50.1226, 51.8820

Background



This preview shows how black text looks on a background with the XYZ color 49.1849, 50.1226, 51.8820.



This preview shows how white text looks on a background with the XYZ color 49.1849, 50.1226,

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

49.1849, 50.1226, 51.8820

Protanopia

48.1603, 50.2078, 52.5002

Deuteranopia

51.1118, 50.1820, 52.3396



Tritanopia

50.8309, 50.1776, 59.8295

Trichromacy



Original Color

49.1849, 50.1226, 51.8820

Protanomaly

48.4588, 50.0478, 52.4535

Deuteranomaly

50.4871, 50.1650, 52.3693

Tritanomaly

50.2081, 50.2289, 56.9181

Monochromacy



Original Color

49.1849, 50.1226, 51.8820

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.6911, 50.7608, 54.2452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1849, 50.1226, 51.8820 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(198, 185, 183)` looks like.

```
.text, #text, p{  
    color:rgb(198, 185, 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(198, 185, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 185, 183) }
```

Border

The CSS property to change the border of an element to XYZ 49.1849, 50.1226, 51.8820 is called "border". The border property can be set on classes, ids or directly on the HTML element.

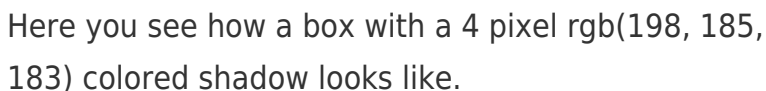
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 185, 183) }
```


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

```
.border{ border-color:rgb(198, 185, 183) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 185, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 185, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 185, 183);  
box-shadow:4px 4px 4px 4px rgb(198, 185,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1849, 50.1226, 51.8820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 185, 183) }
```

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

```
.background{ background-color: rgb(198,  
185, 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](#).

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