

Converting Colors

XYZ(51.9487, 49.1955, 58.8825)

Have a look what the booklet for
XYZ(51.9487, 49.1955, 58.8825)
contains.

XYZ(51.8966, 49.2362, 58.9928)	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(51.8966, 49.2362,
58.9928)**

Conversions

Conversions Part 1

Format	Color
Hex	D0B2C4
RGB	208, 178, 196
RGB Percent	82%, 70%, 77%
CMY	0.1843, 0.3019, 0.2314
CMYK	0.00, 0.14, 0.06, 0.18
HSL	324°, 24%, 76%
HSV	324°, 14%, 82%
XYZ	51.8966, 49.2362, 58.9928
YIQ	189.0220, 12.1020, 11.9580

Conversions

Conversions Part 2

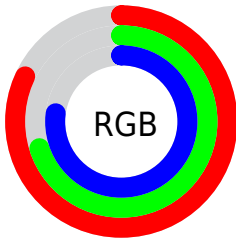
Format	Color
R_{YB}	208, 178, 196
Decimal	13677252
CIE Lab	75.60, 13.85, -5.12
CIE LCh	76, 14.764, 339.717
Yxy	49.2362, 0.3241, 0.3075
Android (android.graphics.Color)	4291867332 (0xFFD0B2C4)
YUV	189.0220, 3.4402, 16.6437
Hunter-Lab	70.1685, 9.2236, -0.7289

Details

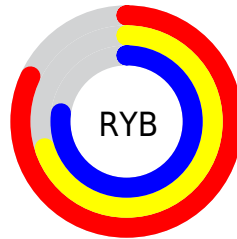
The XYZ color **51.8966, 49.2362, 58.9928** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **50.2121, 58.2957, 57.3237**, and the grayscale version is **48.3596, 50.8781, 55.4063**.

A 20% lighter version of the original color is **88.3924, 87.1975, 105.1005**, and **25.3530, 23.3925, 28.7701** is the 20% darker color. If you saturate the color by 10%, you get **47.1470, 41.2104, 52.8658**, and if you desaturate by 10%, it is **57.3291, 58.5423, 65.6078**.

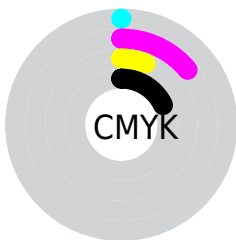
Distribution



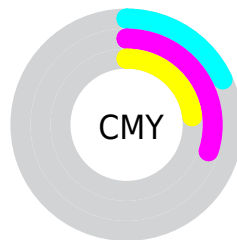
- Red (82%)
- Green (70%)
- Blue (77%)



- Red (82%)
- Yellow (70%)
- Blue (77%)



- Cyan (0%)
- Magenta (14%)
- Yellow (6%)
- Black (18%)





- Cyan (18%)
- Magenta (30%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8966, 49.2362, 58.9928 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 51.8966, 49.2362, 58.9928 by changing the saturation by 10% instead.


 51.8966, 49.2362,
58.9928

 51.8966, 49.2362,
58.9928


384.3678,
383.6714, 438.5764

 37.1466, 34.8069,
42.1873


 92.1539, 89.0422,
104.8962

 25.4952, 23.5142,
28.9214


118.3918,
115.1876, 134.8313

 16.5771, 14.9736,
18.7763


149.1898,
146.0072, 169.9799

 10.0269, 8.8009,
11.3336

184.9132,
181.8854, 210.7607

 5.4792, 4.6115,
6.1747

225.9274,
223.2065, 257.5923

 2.5687, 2.0212,
2.8811

272.5976,

 0.9300, 0.6197,

270.3549, 310.8930

1.0342

325.2893,
323.7151, 371.0815

■ 0.0000, 0.0000,
0.0000

■ 51.8966, 49.2362,
58.9928

■ 51.8966, 49.2362,
58.9928

■ 47.1470, 41.2104,
52.8658

■ 57.3291, 58.5423,
65.6078

■ 43.0470, 34.4018,
47.2098

■ 63.4674, 69.1754,
72.7207

■ 39.5669, 28.7516,
42.0112

■ 70.3386, 81.1876,
80.3452

■ 36.6728, 24.1935,
37.2544

■ 75.9555, 90.6031,
87.8227

■ 34.3276, 20.6545,
32.9224

■ 77.1476, 91.0800,
94.1002

■ 32.4893, 18.0526,
28.9967

■ 78.3961, 91.5794,
100.6751

■ 31.1098, 16.2928,
25.4565

■ 79.7020, 92.1017,
107.5514

■ 30.1307, 15.2600,
22.2774

■ 79.8227, 92.1500,
108.1874

■ 29.7010, 14.8854,
20.6397

Harmonies

Analogous

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



50.2329, 49.2362, 66.0268



51.8966, 49.2362, 58.9928



52.1652, 49.2362, 51.1121

Triad

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



51.8966, 49.2362, 58.9928



45.9171, 49.2362, 40.1139



42.8743, 49.2362, 63.8026

Complementary

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



51.8966, 49.2362, 58.9928



50.2121, 58.2957, 57.3237

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.



41.8113, 49.2362, 56.1876



51.8966, 49.2362, 58.9928



43.5224, 49.2362, 42.8562

Square

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



51.8966, 49.2362, 58.9928



48.6412, 49.2362, 40.7075



42.0439, 49.2362, 48.5647



45.0011, 49.2362, 68.9856

Rectangle

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



51.8966, 49.2362, 58.9928



51.5067, 49.2362, 46.4968



42.0439, 49.2362, 48.5647



42.3845, 49.2362, 61.4137

Sweetspot

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



51.8980, 49.2384, 58.9939



91.2318, 93.4038, 104.4206



48.5427, 47.3444, 66.2551



19.3781, 19.7350, 22.1731



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.



51.8980, 49.2384, 58.9939



80.0785, 74.3251, 90.7512



50.2750, 48.5892, 50.4474



12.1022, 11.9256, 13.8141



18.5600, 9.2968, 13.1209



1.0764, 0.5353, 0.9370

Inverse Universe

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



51.8980, 49.2384, 58.9939



80.0785, 74.3251, 90.7512



51.9370, 58.9857, 66.4065



12.1022, 11.9256, 13.8141



18.5600, 9.2968, 13.1209



1.0764, 0.5353, 0.9370

Previews

White Background



This preview shows how the XYZ color 51.8966, 49.2362, 58.9928 looks on a white background.

Color Contrast Check

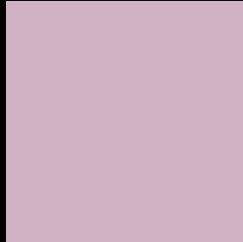
Large Text (above 18pt) WCAG AA × Fail

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 51.8966, 49.2362, 58.9928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

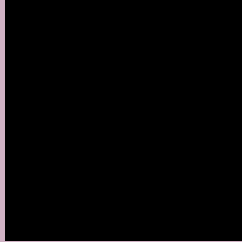
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8966, 49.2362, 58.9928

Background



This preview shows how black text looks on a background with the XYZ color 51.8966, 49.2362, 58.9928.



This preview shows how white text looks on a background with the XYZ color 51.8966, 49.2362,

58.9928.

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

51.8966, 49.2362, 58.9928

Protanopia

48.0240, 49.3072, 61.6297

Deuteranopia

50.1936, 49.2672, 58.4938



Tritanopia

51.7582, 49.5004, 57.2787

Trichromacy



Original Color

51.8966, 49.2362, 58.9928

Protanomaly

49.2849, 49.0488, 60.9026

Deuteranomaly

50.8002, 49.2792, 58.4641

Tritanomaly

51.8701, 49.5451, 57.8683

Monochromacy



Original Color

51.8966, 49.2362, 58.9928

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.6283, 50.2395, 56.9507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8966, 49.2362, 58.9928 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(208, 178, 196)` looks like.

```
.text, #text, p{  
    color:rgb(208, 178, 196)  
}
```

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(208, 178, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 178, 196) }
```

Border

The CSS property to change the border of an element to XYZ 51.8966, 49.2362, 58.9928 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(208, 178, 196) }
```


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

```
.border{ border-color:rgb(208, 178, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 178, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 178, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 178, 196);  
box-shadow:4px 4px 4px 4px rgb(208, 178,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8966, 49.2362, 58.9928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 178, 196) }
```

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

```
.background{ background-color: rgb(208,  
178, 196) }
```

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