

Converting Colors

XYZ(50.6217, 49.0522, 58.6651)

Have a look what the booklet for
XYZ(50.6217, 49.0522, 58.6651)
contains.

XYZ(50.8002, 49.2792, 58.4641)	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(50.8002, 49.2792,
58.4641)**

Conversions

Conversions Part 1

Format	Color
Hex	CBB4C3
RGB	203, 180, 195
RGB Percent	80%, 71%, 76%
CMY	0.2039, 0.2941, 0.2353
CMYK	0.00, 0.11, 0.04, 0.20
HSL	321°, 18%, 75%
HSV	321°, 11%, 80%
XYZ	50.8002, 49.2792, 58.4641
YIQ	188.5870, 8.8930, 9.5410

Conversions

Conversions Part 2

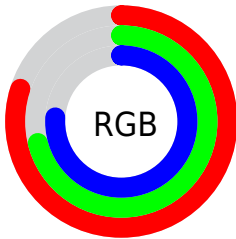
Format	Color
R _Y B	203, 180, 195
Decimal	13350083
CIE Lab	75.62, 10.84, -4.58
CIE LCh	76, 11.765, 337.070
Yxy	49.2792, 0.3204, 0.3108
Android (android.graphics.Color)	4291540163 (0xFFCBB4C3)
YUV	188.5870, 3.1616, 12.6402
Hunter-Lab	70.1991, 6.3245, -0.2392

Details

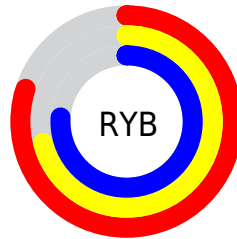
The XYZ color **50.8002, 49.2792, 58.4641** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.2574, 56.0474, 55.8018**, and the grayscale version is **48.1142, 50.6199, 55.1250**.

A 20% lighter version of the original color is **88.8061, 88.2792, 104.4545**, and **24.7915, 23.4914, 28.4269** is the 20% darker color. If you saturate the color by 10%, you get **46.2191, 41.3643, 53.0906**, and if you desaturate by 10%, it is **56.0221, 58.4139, 64.2387**.

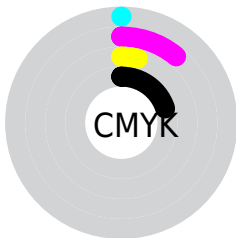
Distribution



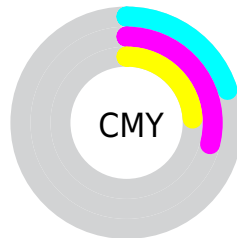
- Red (80%)
- Green (71%)
- Blue (76%)



- Red (80%)
- Yellow (71%)
- Blue (76%)



- Cyan (0%)
- Magenta (11%)
- Yellow (4%)
- Black (20%)



- Cyan (20%)
- Magenta (29%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8002, 49.2792, 58.4641 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 50.8002, 49.2792, 58.4641 by changing the saturation by 10% instead.

■ 50.8002, 49.2792,
58.4641

■ 50.8002, 49.2792,
58.4641

380.1875,
383.8404, 436.5595

■ 36.2700, 34.8410,
41.7647

■ 90.5441, 89.1060,
104.1198

■ 24.8139, 23.5404,
28.5929

116.4886,
115.2634, 133.9133

■ 16.0664, 14.9931,
18.5301

146.9685,
146.0959, 168.9084

■ 9.6623, 8.8145,
11.1579

182.3492,
181.9881, 209.5239

■ 5.2362, 4.6204,
6.0576

222.9961,
223.3242, 256.1782

■ 2.4227, 2.0263,
2.8108

269.2746,

■ 0.8564, 0.6227,

270.4887, 309.2899

0.9989

321.5499,
323.8660, 369.2775

■ 0.0000, 0.0000,
0.0000

■ 50.8002, 49.2792,
58.4641

■ 50.8002, 49.2792,
58.4641

■ 46.2191, 41.3643,
53.0906

■ 56.0221, 58.4139,
64.2387

■ 42.2481, 34.6105,
48.1037

■ 61.9054, 68.8110,
70.4220

■ 38.8601, 28.9640,
43.4923

■ 68.4751, 80.5187,
77.0255

■ 36.0245, 24.3642,
39.2436

■ 73.7419, 89.5578,
83.3883

■ 33.7074, 20.7446,
35.3436

■ 74.7156, 89.9474,
88.5161

■ 31.8714, 18.0311,
31.7770

■ 75.7296, 90.3530,
93.8557

■ 30.4736, 16.1386,
28.5267

■ 76.7843, 90.7748,
99.4095

■ 29.4629, 14.9662,
25.5727

■ 77.8801, 91.2131,
105.1798

■ 28.8199, 14.3731,
23.2219

■ 78.4389, 91.4367,
108.1226

Harmonies

Analogous

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



49.4071, 49.2792, 63.8015



50.8002, 49.2792, 58.4641



51.1164, 49.2792, 52.1947

Triad

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



50.8002, 49.2792, 58.4641



46.3251, 49.2792, 42.6175



43.5773, 49.2792, 61.2121

Complementary

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



50.8002, 49.2792, 58.4641



49.2574, 56.0474, 55.8018

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.



42.8060, 49.2792, 55.1457



50.8002, 49.2792, 58.4641



44.3603, 49.2792, 44.6486

Square

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



50.8002, 49.2792, 58.4641



48.4882, 49.2792, 43.3560



43.0881, 49.2792, 49.1203



45.2264, 49.2792, 65.4719

Rectangle

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



50.8002, 49.2792, 58.4641



50.6654, 49.2792, 48.3841



43.0881, 49.2792, 49.1203



43.2091, 49.2792, 59.2991

Sweetspot

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



50.8016, 49.2814, 58.4652



92.2323, 95.0456, 105.8616



47.7598, 47.6059, 63.1723



19.5840, 20.0673, 22.4872



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.



50.8016, 49.2814, 58.4652



82.7642, 78.5255, 95.2571



49.5859, 48.7951, 52.0631



11.5153, 11.3349, 13.2483



18.3850, 9.1646, 15.0120



0.9834, 0.4868, 0.9586

Inverse Universe

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



50.8016, 49.2814, 58.4652



82.7642, 78.5255, 95.2571



50.5081, 56.5477, 62.3882



11.5153, 11.3349, 13.2483



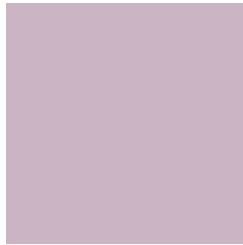
18.3850, 9.1646, 15.0120



0.9834, 0.4868, 0.9586

Previews

White Background



This preview shows how the XYZ color 50.8002, 49.2792, 58.4641 looks on a white background.

Color Contrast Check

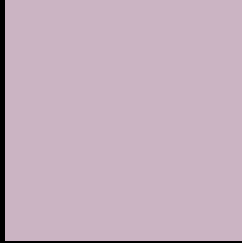
Large Text (above 18pt) WCAG AA × Fail

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 50.8002, 49.2792, 58.4641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

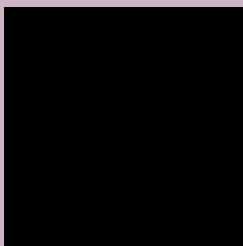
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.8002, 49.2792, 58.4641

Background



This preview shows how black text looks on a background with the XYZ color 50.8002, 49.2792, 58.4641.



This preview shows how white text looks on a background with the XYZ color 50.8002, 49.2792,

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

50.8002, 49.2792, 58.4641

Protanopia

47.7917, 49.2142, 60.4065

Deuteranopia

50.4616, 49.4054, 58.5063



Tritanopia

50.6875, 49.2341, 57.8705

Trichromacy



Original Color

50.8002, 49.2792, 58.4641

Protanomaly

48.7498, 49.1047, 59.7321

Deuteranomaly

50.7313, 49.5444, 58.5190

Tritanomaly

50.6875, 49.2341, 57.8705

Monochromacy



Original Color

50.8002, 49.2792, 58.4641

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.2110, 50.3487, 56.4148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8002, 49.2792, 58.4641 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(203, 180, 195)` looks like.

```
.text, #text, p{  
    color:rgb(203, 180, 195)  
}
```

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(203, 180, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 180, 195) }
```

Border

The CSS property to change the border of an element to XYZ 50.8002, 49.2792, 58.4641 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(203, 180, 195) }
```


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

```
.border{ border-color:rgb(203, 180, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 180, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 180, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 180, 195);  
box-shadow:4px 4px 4px 4px rgb(203, 180,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8002, 49.2792, 58.4641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 180, 195) }
```

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

```
.background{ background-color: rgb(203,  
180, 195) }
```

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