

Converting Colors

XYZ(49.8659, 48.3906, 53.5229)

Have a look what the booklet for
XYZ(49.8659, 48.3906, 53.5229)
contains.

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Color

**XYZ(49.7919, 48.2660,
53.7057)**

Conversions

Conversions Part 1

Format	Color
Hex	CCB2BB
RGB	204, 178, 187
RGB Percent	80%, 70%, 73%
CMY	0.2000, 0.3019, 0.2667
CMYK	0.00, 0.13, 0.08, 0.20
HSL	339°, 20%, 75%
HSV	339°, 13%, 80%
XYZ	49.7919, 48.2660, 53.7057
YIQ	186.8000, 12.6070, 8.3110

Conversions

Conversions Part 2

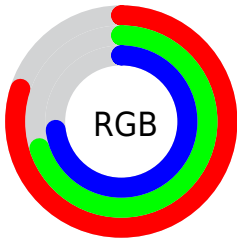
Format	Color
R_{YB}	204, 178, 187
Decimal	13415099
CIE _{Lab}	74.99, 10.86, -1.14
CIE _{LCh}	75, 10.917, 354.015
Yxy	48.2660, 0.3281, 0.3180
Android (android.graphics.Color)	4291605179 (0xFFCCB2BB)
YUV	186.8000, 0.0986, 15.0844
Hunter-Lab	69.4737, 6.3521, 2.7983

Details

The XYZ color **49.7919, 48.2660, 53.7057** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.8052, 56.5921, 59.9308**, and the grayscale version is **47.1170, 49.5708, 53.9826**.

A 20% lighter version of the original color is **86.8405, 86.5767, 96.9280**, and **24.2144, 22.8725, 25.6929** is the 20% darker color. If you saturate the color by 10%, you get **44.6686, 40.1994, 45.2763**, and if you desaturate by 10%, it is **55.6542, 57.5972, 63.0372**.

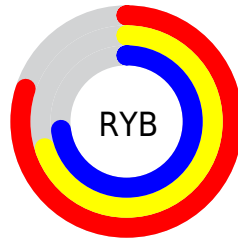
Distribution



Red (80%)

Green (70%)

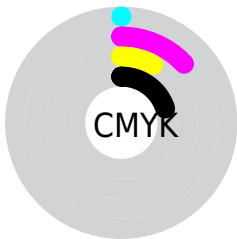
Blue (73%)



Red (80%)

Yellow (70%)

Blue (73%)

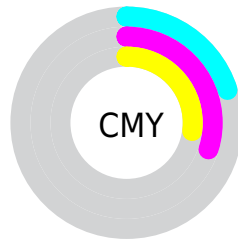


Cyan (0%)

Magenta (13%)

Yellow (8%)

Black (20%)



Cyan (20%)

Magenta (30%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7919, 48.2660, 53.7057 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 49.7919, 48.2660, 53.7057 by changing the saturation by 10% instead.

■ 49.7919, 48.2660,
53.7057

■ 49.7919, 48.2660,
53.7057

376.3170,
379.8455, 418.1296

■ 35.4652, 34.0376,
37.9748

■ 89.0601, 87.6003,
97.0940

■ 24.1896, 22.9225,
25.6615

114.7324,
113.4750, 125.5886

■ 15.5998, 14.5363,
16.3471

144.9172,
144.0006, 159.1748

■ 9.3305, 8.4946,
9.6131

179.9799,
179.5614, 198.2712

■ 5.0162, 4.4130,
5.0409

220.2859,
220.5420, 243.2964

■ 2.2916, 1.9072,
2.2121

266.2005,

■ 0.7904, 0.5527,

267.3266, 294.6688

0.6814

318.0891,
320.2996, 352.8070

■ 0.0000, 0.0000,
0.0000

■ 49.7919, 48.2660,
53.7057

■ 49.7919, 48.2660,
53.7057

■ 44.6686, 40.1994,
45.2763

■ 55.6542, 57.5972,
63.0372

■ 40.2502, 33.3364,
37.7182

■ 62.2798, 68.2377,
73.2942

■ 36.5056, 27.6206,
31.0030

■ 69.6969, 80.2380,
84.5031

■ 33.4000, 22.9884,
25.0998

■ 76.4442, 90.6704,
96.1927

■ 30.8953, 19.3704,
19.9754

■ 78.5039, 91.4942,
107.0390

■ 28.9489, 16.6883,
15.5942

■ 78.7121, 91.5775,
108.1354

■ 27.5125, 14.8530,
11.9172

■ 26.5285, 13.7570,
8.9008

■ 26.0266, 13.2873,
7.0868

Harmonies

Analogous

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



49.0456, 48.2660, 59.2672



49.7919, 48.2660, 53.7057



49.4644, 48.2660, 48.2135

Triad

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



49.7919, 48.2660, 53.7057



44.3339, 48.2660, 43.1552



43.6611, 48.2660, 61.9407

Complementary

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



49.7919, 48.2660, 53.7057



49.8052, 56.5921, 59.9308

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.



42.4643, 48.2660, 57.1463



49.7919, 48.2660, 53.7057



42.8448, 48.2660, 46.3669

Square

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



49.7919, 48.2660, 53.7057



46.2760, 48.2660, 42.3795



42.1698, 48.2660, 51.4178



45.4771, 48.2660, 64.2378

Rectangle

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



49.7919, 48.2660, 53.7057



48.6859, 48.2660, 45.2926



42.1698, 48.2660, 51.4178



43.1751, 48.2660, 60.5516

Sweetspot

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



49.7933, 48.2681, 53.7067



90.8265, 93.2417, 102.2859



49.3010, 47.7915, 63.7537



19.2756, 19.6940, 21.6332



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.



49.7933, 48.2681, 53.7067



80.2696, 76.4694, 85.3828



49.6468, 49.4688, 49.0537



11.3699, 11.2767, 12.4826



16.4211, 8.3790, 4.6701



0.8828, 0.4465, 0.4285

Inverse Universe

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



49.7933, 48.2681, 53.7067



80.2696, 76.4694, 85.3828



49.9382, 55.1809, 65.1464



11.3699, 11.2767, 12.4826



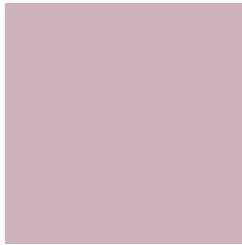
16.4211, 8.3790, 4.6701



0.8828, 0.4465, 0.4285

Previews

White Background



This preview shows how the XYZ color 49.7919, 48.2660, 53.7057 looks on a white background.

Color Contrast Check

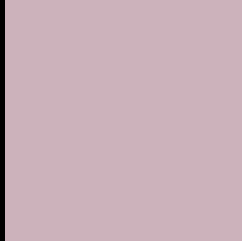
Large Text (above 18pt) WCAG AA × Fail

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 49.7919, 48.2660, 53.7057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

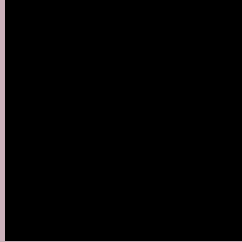
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7919, 48.2660, 53.7057

Background



This preview shows how black text looks on a background with the XYZ color 49.7919, 48.2660, 53.7057.



This preview shows how white text looks on a background with the XYZ color 49.7919, 48.2660,

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

49.7919, 48.2660, 53.7057

Protanopia

46.6845, 48.4378, 55.6041

Deuteranopia

49.4469, 48.3846, 53.7467



Tritanopia

50.3029, 48.1850, 55.9396

Trichromacy



Original Color

49.7919, 48.2660, 53.7057

Protanomaly

47.9056, 48.4675, 54.9744

Deuteranomaly

49.7183, 48.5246, 53.7594

Tritanomaly

50.1932, 48.1411, 55.3619

Monochromacy



Original Color

49.7919, 48.2660, 53.7057

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

48.1024, 49.2063, 53.9762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7919, 48.2660, 53.7057 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(204, 178, 187)` looks like.

```
.text, #text, p{  
    color:rgb(204, 178, 187)  
}
```

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(204, 178, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 178, 187) }
```

Border

The CSS property to change the border of an element to XYZ 49.7919, 48.2660, 53.7057 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(204, 178, 187) }
```


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

```
.border{ border-color:rgb(204, 178, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 178, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 178, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 178, 187);  
box-shadow:4px 4px 4px 4px rgb(204, 178,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7919, 48.2660, 53.7057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 178, 187) }
```

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

```
.background{ background-color: rgb(204,  
178, 187) }
```

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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