

Converting Colors

XYZ(48.7878, 49.9290, 53.0420)

Have a look what the booklet for
XYZ(48.7878, 49.9290, 53.0420)
contains.

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Color

**XYZ(48.8709, 49.9365,
52.9619)**

Conversions

Conversions Part 1

Format	Color
Hex	C4B9B9
RGB	196, 185, 185
RGB Percent	77%, 73%, 73%
CMY	0.2314, 0.2745, 0.2745
CMYK	0.00, 0.06, 0.06, 0.23
HSL	0°, 9%, 75%
HSV	0°, 6%, 77%
XYZ	48.8709, 49.9365, 52.9619
YIQ	188.2890, 6.5560, 2.3320

Conversions

Conversions Part 2

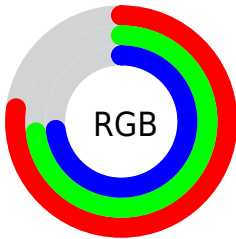
Format	Color
R_{YB}	196, 185, 185
Decimal	12892601
CIE Lab	76.03, 3.88, 1.38
CIE LCh	76, 4.123, 19.615
Yxy	49.9365, 0.3220, 0.3290
Android (android.graphics.Color)	4291082681 (0xFFC4B9B9)
YUV	188.2890, -1.6215, 6.7625
Hunter-Lab	70.6658, -0.2184, 5.0299

Details

The XYZ color **48.8709, 49.9365, 52.9619** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.7113, 53.7789, 59.9855**, and the grayscale version is **47.9718, 50.4700, 54.9619**.

A 20% lighter version of the original color is **87.8405, 90.1441, 95.9890**, and **23.5715, 23.9193, 25.2043** is the 20% darker color. If you saturate the color by 10%, you get **43.1227, 41.5258, 41.5316**, and if you desaturate by 10%, it is **55.4721, 59.5954, 66.0851**.

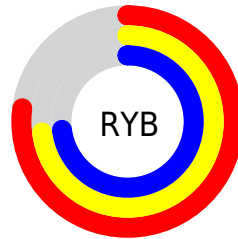
Distribution



Red (77%)

Green (73%)

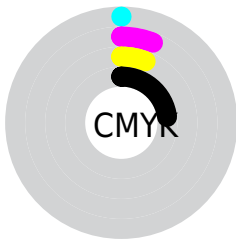
Blue (73%)



Red (77%)

Yellow (73%)

Blue (73%)

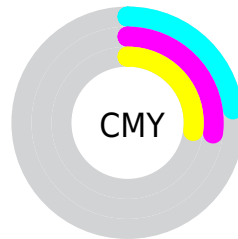


Cyan (0%)

Magenta (6%)

Yellow (6%)

Black (23%)



Cyan (23%)

Magenta (27%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8709, 49.9365, 52.9619 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 48.8709, 49.9365, 52.9619 by changing the saturation by 10% instead.

■ 48.8709, 49.9365,
52.9619

■ 48.8709, 49.9365,
52.9619

372.7593,
386.4176, 415.2011

■ 34.7312, 35.3629,
37.3848

■ 87.7016, 90.0808,
95.9893

■ 23.6214, 23.9426,
25.2075

113.1232,
116.4203, 124.2767

■ 15.1762, 15.2910,
16.0113

143.0362,
147.4506, 157.6379

■ 9.0303, 9.0239,
9.3777

177.8060,
183.5561, 196.4916

■ 4.8182, 4.7568,
4.8882

217.7978,
225.1211, 241.2562

■ 2.1747, 2.1053,
2.1242

263.3771,

■ 0.7293, 0.6676,

272.5301, 292.3503

0.6301

314.9091,
326.1675, 350.1924

■ 0.0000, 0.0000,
0.0000

■ 48.8709, 49.9365,
52.9619

■ 48.8709, 49.9365,
52.9619

■ 43.1227, 41.5258,
41.5316

■ 55.4721, 59.5954,
66.0851

■ 38.1887, 34.3064,
31.7221

■ 62.9547, 70.5437,
80.9627

■ 34.0335, 28.2262,
23.4612

■ 71.3509, 82.8287,
97.6571

■ 30.6172, 23.2272,
16.6697

■ 76.5752, 90.4759,
108.0354

■ 27.8966, 19.2461,
11.2615

■ 25.8239, 16.2129,
7.1418

■ 24.3453, 14.0491,
4.2034

■ 23.3985, 12.6633,
2.3222

■ 22.9063, 11.9427,
1.3448

Harmonies

Analogous

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



48.9338, 49.9365, 55.1400



48.8709, 49.9365, 52.9619



48.4285, 49.9365, 51.2074

Triad

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



48.8709, 49.9365, 52.9619



46.3448, 49.9365, 51.6722



47.1969, 49.9365, 58.6488

Complementary

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



48.8709, 49.9365, 52.9619



49.7113, 53.7789, 59.9855

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.



46.5107, 49.9365, 57.6651



48.8709, 49.9365, 52.9619



46.0223, 49.9365, 53.6119

Square

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



48.8709, 49.9365, 52.9619



46.9681, 49.9365, 50.4768



46.0827, 49.9365, 55.8076



47.9617, 49.9365, 58.4634

Rectangle

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



48.8709, 49.9365, 52.9619



47.9805, 49.9365, 50.4953



46.0827, 49.9365, 55.8076



46.9495, 49.9365, 58.4429

Sweetspot

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



48.8723, 49.9387, 52.9630



92.6347, 96.4659, 104.0977



50.0784, 50.4200, 59.3178



19.8529, 20.6847, 22.3315



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.



48.8723, 49.9387, 52.9630



86.8772, 88.0417, 92.6505



50.0446, 52.2832, 53.3537



10.3134, 10.4295, 10.9533



14.6280, 7.5418, 0.6847



0.6321, 0.3260, 0.0296

Inverse Universe

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



49.7113, 53.7789, 59.9855



88.7834, 96.7668, 108.6062



48.4941, 51.3445, 59.5798



10.5523, 11.5229, 12.9528



19.0773, 27.9111, 37.9385



0.8244, 1.2061, 1.6392

Previews

White Background



This preview shows how the XYZ color 48.8709, 49.9365, 52.9619 looks on a white background.

Color Contrast Check

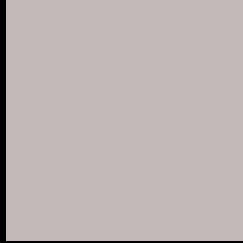
Large Text (above 18pt) WCAG AA × Fail

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 48.8709, 49.9365, 52.9619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

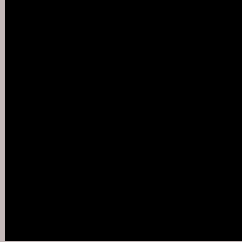
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8709, 49.9365, 52.9619

Background



This preview shows how black text looks on a background with the XYZ color 48.8709, 49.9365, 52.9619.



This preview shows how white text looks on a background with the XYZ color 48.8709, 49.9365,

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

48.8709, 49.9365, 52.9619

Protanopia

48.1191, 50.1622, 53.6005

Deuteranopia

50.8404, 49.7147, 53.3707



Tritanopia

50.3002, 49.9040, 59.8046

Trichromacy



Original Color

48.8709, 49.9365, 52.9619

Protanomaly

48.4142, 50.0004, 53.5537

Deuteranomaly

49.9480, 49.5576, 53.3874

Tritanomaly

49.7921, 50.0016, 57.4790

Monochromacy



Original Color

48.8709, 49.9365, 52.9619

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.2258, 50.2049, 54.1624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8709, 49.9365, 52.9619 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(196, 185, 185)` looks like.

```
.text, #text, p{  
    color:rgb(196, 185, 185)  
}
```

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(196, 185, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 185, 185) }
```

Border

The CSS property to change the border of an element to XYZ 48.8709, 49.9365, 52.9619 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(196, 185, 185) }
```


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

```
.border{ border-color:rgb(196, 185, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 185, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 185, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 185, 185);  
box-shadow:4px 4px 4px 4px rgb(196, 185,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8709, 49.9365, 52.9619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 185, 185) }
```

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

```
.background{ background-color: rgb(196,  
185, 185) }
```

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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