

Converting Colors

XYZ(41.8437, 33.7748, 49.3706)

Have a look what the booklet for
XYZ(41.8437, 33.7748, 49.3706)
contains.

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Color

**XYZ(41.8500, 33.8668,
49.1309)**

Conversions

Conversions Part 1

Format	Color
Hex	CA89B7
RGB	202, 137, 183
RGB Percent	79%, 54%, 72%
CMY	0.2078, 0.4627, 0.2824
CMYK	0.00, 0.32, 0.09, 0.21
HSL	318°, 38%, 66%
HSV	318°, 32%, 79%
XYZ	41.8500, 33.8668, 49.1309
YIQ	161.6790, 23.9740, 28.0860

Conversions

Conversions Part 2

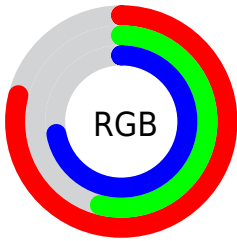
Format	Color
RYB	202, 137, 183
Decimal	13273527
CIELab	64.86, 31.86, -13.99
CIELCh	65, 34.801, 336.291
Yxy	33.8668, 0.3352, 0.2713
Android (android.graphics.Color)	4291463607 (0xFFCA89B7)
YUV	161.6790, 10.5113, 35.3615
Hunter-Lab	58.1952, 26.5234, -9.3186

Details

The XYZ color **41.8500, 33.8668, 49.1309** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.4392, 49.9607, 39.1248**, and the grayscale version is **34.1381, 35.9159, 39.1124**.

A 20% lighter version of the original color is **75.4508, 64.7536, 90.1834**, and **19.3897, 14.4703, 22.8902** is the 20% darker color. If you saturate the color by 10%, you get **38.6413, 28.4120, 45.0924**, and if you desaturate by 10%, it is **45.6241, 40.4101, 53.4858**.

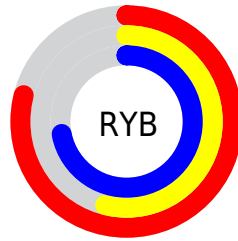
Distribution



Red (79%)

Green (54%)

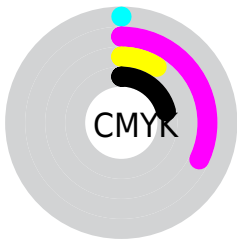
Blue (72%)



Red (79%)

Yellow (54%)

Blue (72%)

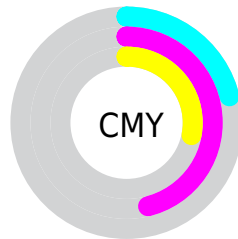


Cyan (0%)

Magenta (32%)

Yellow (9%)

Black (21%)



Cyan (21%)

Magenta (46%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8500, 33.8668, 49.1309 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 41.8500, 33.8668, 49.1309 by changing the saturation by 10% instead.


 41.8500, 33.8668,
49.1309


 41.8500, 33.8668,
49.1309

344.8630,
319.5377, 399.8947

 29.1745, 22.7913,
34.3570


 77.2391, 65.7265,
90.2688

 19.3578, 14.4395,
22.8884

 100.6835, 87.2794,
117.4700

 12.0346, 8.4270,
14.3066

 128.4481,
113.0937, 149.6505

 6.8396, 4.3693,
8.1930

160.8983,
143.5536, 187.2292

 3.4074, 1.8822,
4.1292

198.3996,
179.0435, 230.6244

 1.3727, 0.5377,
1.6965

241.3172,

 0.2367, 0.0000,

219.9479, 280.2546

0.3583

290.0165,
266.6512, 336.5386

■ 0.0000, 0.0000,
0.0000

■ 41.8500, 33.8668,
49.1309

■ 41.8500, 33.8668,
49.1309

■ 38.6413, 28.4120,
45.0924

■ 45.6241, 40.4101,
53.4858

■ 35.9645, 23.9808,
41.3567

■ 49.9886, 48.0928,
58.1658

■ 33.7873, 20.5085,
37.9115

■ 54.9705, 56.9683,
63.1820

■ 32.0725, 17.9213,
34.7431

■ 60.5945, 67.0850,
68.5438

■ 30.7775, 16.1344,
31.8354

■ 66.8836, 78.4889,
74.2605

■ 29.8511, 15.0460,
29.1699

■ 72.8287, 89.1612,
79.9971

■ 29.3115, 14.5383,
27.2282

■ 73.6175, 89.4767,
84.1508

■ 74.4341, 89.8034,
88.4512

■ 75.2789, 90.1413,
92.8996

Harmonies

Analogous

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



38.2408, 33.8668, 63.9130



41.8500, 33.8668, 49.1309



42.7567, 33.8668, 33.9309

Triad

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



41.8500, 33.8668, 49.1309



31.1442, 33.8668, 15.6734



25.0260, 33.8668, 55.7549

Complementary

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



41.8500, 33.8668, 49.1309



37.4392, 49.9607, 39.1248

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.



23.5246, 33.8668, 39.9851



41.8500, 33.8668, 49.1309



26.8126, 33.8668, 18.7947

Square

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



41.8500, 33.8668, 49.1309



36.2243, 33.8668, 16.9290



24.1431, 33.8668, 26.8485



28.4658, 33.8668, 68.3799

Rectangle

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



41.8500, 33.8668, 49.1309



41.6316, 33.8668, 25.9458



24.1431, 33.8668, 26.8485



24.2951, 33.8668, 50.5097

Sweetspot

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



41.8510, 33.8683, 49.1316



86.2707, 84.3249, 100.1672



33.2055, 29.1673, 59.7573



18.2202, 17.6138, 21.1874



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.



41.8510, 33.8683, 49.1316



66.7707, 50.3732, 78.1036



38.8967, 32.6866, 33.5745



11.5423, 11.3457, 13.3905



18.9019, 9.3713, 17.7339



1.0072, 0.4963, 1.0838

Inverse Universe

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



41.8510, 33.8683, 49.1316



66.7707, 50.3732, 78.1036



40.5064, 51.1875, 55.2761



11.5423, 11.3457, 13.3905



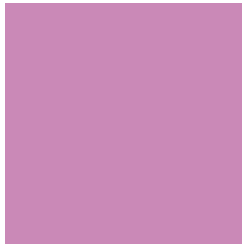
18.9019, 9.3713, 17.7339



1.0072, 0.4963, 1.0838

Previews

White Background



This preview shows how the XYZ color 41.8500, 33.8668, 49.1309 looks on a white background.

Color Contrast Check

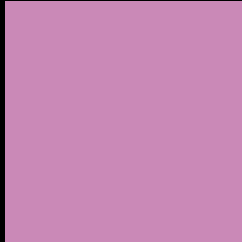
Large Text (above 18pt) WCAG AA × Fail

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 41.8500, 33.8668, 49.1309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

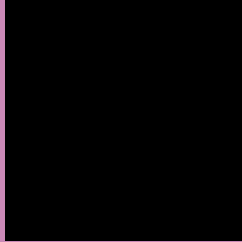
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8500, 33.8668, 49.1309

Background



This preview shows how black text looks on a background with the XYZ color 41.8500, 33.8668, 49.1309.



This preview shows how white text looks on a background with the XYZ color 41.8500, 33.8668,

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

41.8500, 33.8668, 49.1309

Protanopia

34.0650, 34.0584, 57.0031

Deuteranopia

34.8981, 34.1930, 47.9406



Tritanopia

38.7115, 33.6517, 34.5921

Trichromacy



Original Color

41.8500, 33.8668, 49.1309

Protanomaly

36.2999, 33.5813, 53.8588

Deuteranomaly

37.0619, 33.8631, 48.2989

Tritanomaly

39.6321, 33.5786, 39.5144

Monochromacy



Original Color

41.8500, 33.8668, 49.1309

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

36.7784, 35.0319, 42.8536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8500, 33.8668, 49.1309 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(202, 137, 183)` looks like.

```
.text, #text, p{  
    color:rgb(202, 137, 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(202, 137, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 137, 183) }
```

Border

The CSS property to change the border of an element to XYZ 41.8500, 33.8668, 49.1309 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(202, 137, 183) }
```


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

```
.border{ border-color:rgb(202, 137, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 137, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 137, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 137, 183);  
box-shadow:4px 4px 4px 4px rgb(202, 137,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8500, 33.8668, 49.1309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 137, 183) }
```

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

```
.background{ background-color: rgb(202,  
137, 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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