

Converting Colors

XYZ(49.4613, 45.4354, 58.3433)

Have a look what the booklet for
XYZ(49.4613, 45.4354, 58.3433)
contains.

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Color

**XYZ(49.3286, 45.3406,
58.3763)**

Conversions

Conversions Part 1

Format	Color
Hex	CDA9C4
RGB	205, 169, 196
RGB Percent	80%, 66%, 77%
CMY	0.1961, 0.3372, 0.2314
CMYK	0.00, 0.18, 0.04, 0.20
HSL	315°, 26%, 73%
HSV	315°, 18%, 80%
XYZ	49.3286, 45.3406, 58.3763
YIQ	182.8420, 12.7890, 16.0290

Conversions

Conversions Part 2

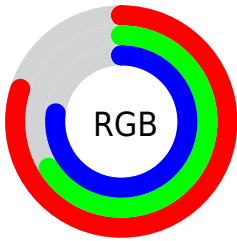
Format	Color
R_{YB}	205, 169, 196
Decimal	13478340
CIE _{Lab}	73.12, 17.69, -8.83
CIE _{LCh}	73, 19.774, 333.483
Yxy	45.3406, 0.3223, 0.2963
Android (android.graphics.Color)	4291668420 (0xFFCDA9C4)
YUV	182.8420, 6.4869, 19.4326
Hunter-Lab	67.3354, 12.9286, -4.2665

Details

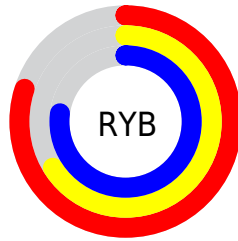
The XYZ color **49.3286, 45.3406, 58.3763** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.2312, 55.3132, 50.3619**, and the grayscale version is **44.8850, 47.2225, 51.4253**.

A 20% lighter version of the original color is **85.6253, 81.6632, 104.1781**, and **23.8215, 21.1596, 28.4199** is the 20% darker color. If you saturate the color by 10%, you get **45.2367, 38.0739, 54.1833**, and if you desaturate by 10%, it is **54.0411, 53.8151, 62.8756**.

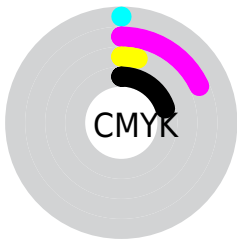
Distribution



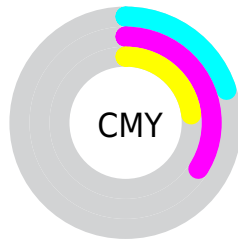
- Red (80%)
- Green (66%)
- Blue (77%)



- Red (80%)
- Yellow (66%)
- Blue (77%)



- Cyan (0%)
- Magenta (18%)
- Yellow (4%)
- Black (20%)





- Cyan (20%)
- Magenta (34%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3286, 45.3406, 58.3763 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 49.3286, 45.3406, 58.3763 by changing the saturation by 10% instead.


 49.3286, 45.3406,
58.3763


 49.3286, 45.3406,
58.3763


374.5300,
368.1513, 436.2240

 35.0958, 31.7258,
41.6945


 88.3771, 83.2313,
103.9908

 23.9036, 21.1521,
28.5384


 113.9235,
108.2759, 133.7607

 15.3864, 13.2353,
18.4893


143.9719,
137.8993, 168.7303

 9.1791, 7.5907,
11.1288

178.8875,
172.4859, 209.3182

 4.9162, 3.8342,
6.0383

219.0358,
212.4199, 255.9430

 2.2325, 1.5813,
2.7992

264.7821,

 0.7598, 0.3449,

258.0859, 309.0232

0.9930

316.4917,
309.8682, 368.9774

■ 0.0000, 0.0000,
0.0000

■ 49.3286, 45.3406,
58.3763

■ 49.3286, 45.3406,
58.3763

■ 45.2367, 38.0739,
54.1833

■ 54.0411, 53.8151,
62.8756

■ 41.7333, 31.9534,
50.2833

■ 59.3962, 63.5435,
67.6879

■ 38.7896, 26.9210,
46.6662

■ 65.4200, 74.5766,
72.8233

■ 36.3727, 22.9112,
43.3202

■ 72.1358, 86.9609,
78.2905

■ 34.4460, 19.8513,
40.2320

■ 74.0722, 89.7533,
82.2667

■ 32.9684, 17.6593,
37.3868

■ 74.7683, 90.0318,
85.9325

■ 31.8915, 16.2387,
34.7675

■ 75.4855, 90.3186,
89.7091

■ 31.1476, 15.4544,
32.3504

■ 76.2240, 90.6140,
93.5976

■ 30.9887, 15.3039,
31.7817

■ 76.9838, 90.9180,
97.5988

Harmonies

Analogous

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



46.8718, 45.3406, 67.0329



49.3286, 45.3406, 58.3763



50.0851, 45.3406, 48.2193

Triad

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



49.3286, 45.3406, 58.3763



42.6918, 45.3406, 32.6823



37.7789, 45.3406, 60.6478

Complementary

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



49.3286, 45.3406, 58.3763



46.2312, 55.3132, 50.3619

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.



36.7873, 45.3406, 50.5352



49.3286, 45.3406, 58.3763



39.5265, 45.3406, 35.1162

Square

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



49.3286, 45.3406, 58.3763



46.1351, 45.3406, 34.2016



37.4098, 45.3406, 41.3380



40.1913, 45.3406, 68.4629

Rectangle

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



49.3286, 45.3406, 58.3763



49.4917, 45.3406, 42.1559



37.4098, 45.3406, 41.3380



37.2744, 45.3406, 57.3594

Sweetspot

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



49.3299, 45.3426, 58.3773



90.6075, 91.9296, 104.9082



43.5694, 42.2510, 63.6172



19.2648, 19.4431, 22.3369



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.



49.3299, 45.3426, 58.3773



78.2004, 69.6309, 93.0171



47.4023, 44.5715, 48.2263



11.5630, 11.3539, 13.4995



19.3312, 9.5431, 19.9944



1.0265, 0.5040, 1.1854

Inverse Universe

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



49.3299, 45.3426, 58.3773



78.2004, 69.6309, 93.0171



48.1588, 56.0843, 60.5129



11.5630, 11.3539, 13.4995



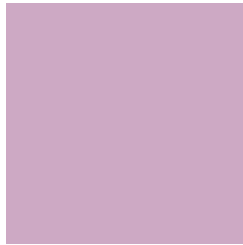
19.3312, 9.5431, 19.9944



1.0265, 0.5040, 1.1854

Previews

White Background



This preview shows how the XYZ color 49.3286, 45.3406, 58.3763 looks on a white background.

Color Contrast Check

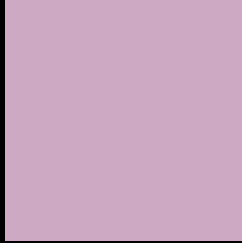
Large Text (above 18pt) WCAG AA × Fail

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 49.3286, 45.3406, 58.3763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

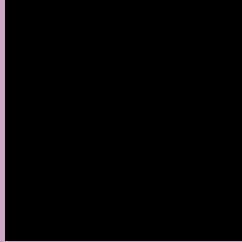
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3286, 45.3406, 58.3763

Background



This preview shows how black text looks on a background with the XYZ color 49.3286, 45.3406, 58.3763.



This preview shows how white text looks on a background with the XYZ color 49.3286, 45.3406,

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

49.3286, 45.3406, 58.3763

Protanopia

44.4856, 45.3352, 62.2830

Deuteranopia

46.4155, 45.5472, 57.9749



Tritanopia

47.8432, 45.2830, 51.5663

Trichromacy



Original Color

49.3286, 45.3406, 58.3763

Protanomaly

46.2488, 45.3949, 60.9681

Deuteranomaly

47.2996, 45.4294, 57.9055

Tritanomaly

48.3537, 45.2177, 53.7563

Monochromacy



Original Color

49.3286, 45.3406, 58.3763

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.4834, 46.5480, 54.1117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3286, 45.3406, 58.3763 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(205, 169, 196)` looks like.

```
.text, #text, p{  
    color:rgb(205, 169, 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(205, 169, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 169, 196) }
```

Border

The CSS property to change the border of an element to XYZ 49.3286, 45.3406, 58.3763 is called "border". The border property can be set on classes, ids or directly on the HTML element.

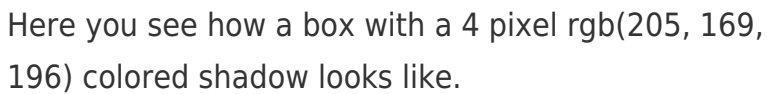
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 169, 196) }
```


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

```
.border{ border-color:rgb(205, 169, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 169, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 169, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 169, 196); box-shadow:4px 4px 4px 4px rgb(205, 169, 196) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3286, 45.3406, 58.3763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 169, 196) }
```

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

```
.background{ background-color: rgb(205,  
169, 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](#).

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