

Converting Colors

XYZ(49.8656, 45.0248, 60.0998)

Have a look what the booklet for
XYZ(49.8656, 45.0248, 60.0998)
contains.

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Color

**XYZ(49.8596, 45.0264,
60.0959)**

Conversions

Conversions Part 1

Format	Color
Hex	CFA7C7
RGB	207, 167, 199
RGB Percent	81%, 65%, 78%
CMY	0.1882, 0.3451, 0.2196
CMYK	0.00, 0.19, 0.04, 0.19
HSL	312°, 29%, 73%
HSV	312°, 19%, 81%
XYZ	49.8596, 45.0264, 60.0959
YIQ	182.6080, 13.5680, 18.4320

Conversions

Conversions Part 2

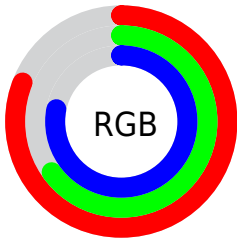
Format	Color
R _Y B	207, 167, 199
Decimal	13608903
CIE Lab	72.91, 20.02, -10.76
CIE LCh	73, 22.730, 331.734
Yxy	45.0264, 0.3217, 0.2905
Android (android.graphics.Color)	4291798983 (0xFFCFA7C7)
YUV	182.6080, 8.0813, 21.3918
Hunter-Lab	67.1017, 15.2056, -6.1286

Details

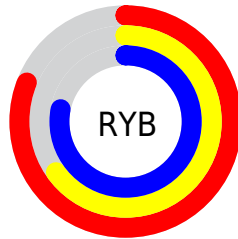
The XYZ color **49.8596, 45.0264, 60.0959** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **45.9888, 55.9374, 48.9331**, and the grayscale version is **44.7483, 47.0787, 51.2687**.

A 20% lighter version of the original color is **85.4113, 80.7226, 105.6871**, and **24.1905, 20.9812, 29.5629** is the 20% darker color. If you saturate the color by 10%, you get **45.8929, 37.8513, 56.4344**, and if you desaturate by 10%, it is **54.4490, 53.4246, 64.0305**.

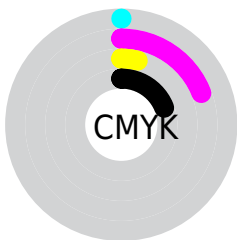
Distribution



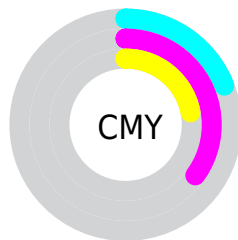
- Red (81%)
- Green (65%)
- Blue (78%)



- Red (81%)
- Yellow (65%)
- Blue (78%)



- Cyan (0%)
- Magenta (19%)
- Yellow (4%)
- Black (19%)





- Cyan (19%)
- Magenta (35%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8596, 45.0264, 60.0959 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 49.8596, 45.0264, 60.0959 by changing the saturation by 10% instead.


 49.8596, 45.0264,
60.0959

 49.8596, 45.0264,
60.0959


376.5777,
366.8805, 442.7656

 35.5192, 31.4782,
43.0701

 89.1599, 82.7600,
106.5135

 24.2315, 20.9633,
29.6083


 114.8505,
107.7143, 136.7424

 15.6311, 13.0972,
19.2920


145.0552,
137.2393, 172.2095

 9.3527, 7.4955,
11.7025

180.1393,
171.7196, 213.3332

 5.0309, 3.7739,
6.4214

220.4683,
211.5394, 260.5321

 2.3003, 1.5479,
3.0300

266.4075,

 0.7948, 0.3221,

257.0832, 314.2248

1.1100

318.3221,
308.7355, 374.8298

■ 0.0000, 0.0000,
0.0000

■ 49.8596, 45.0264,
60.0959

■ 49.8596, 45.0264,
60.0959

■ 45.8929, 37.8513,
56.4344

■ 54.4490, 53.4246,
64.0305

■ 42.5160, 31.8357,
53.0331

■ 59.6841, 63.0939,
68.2449

■ 39.6990, 26.9192,
49.8819

■ 65.5917, 74.0868,
72.7490

■ 37.4076, 23.0336,
46.9689

■ 72.1957, 86.4511,
77.5512

■ 35.6039, 20.1031,
44.2810

■ 74.3713, 89.9371,
80.9438

■ 34.2446, 18.0413,
41.8031

■ 74.9256, 90.1588,
83.8629

■ 33.2787, 16.7463,
39.5178

■ 75.4937, 90.3860,
86.8541

■ 32.6194, 16.0447,
37.3956

■ 76.0755, 90.6188,
89.9178

■ 32.5784, 16.0039,
37.2550

■ 76.6711, 90.8570,
93.0545

Harmonies

Analogous

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



46.9278, 45.0264, 70.0115



49.8596, 45.0264, 60.0959



50.8678, 45.0264, 48.3690

Triad

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



49.8596, 45.0264, 60.0959



42.5662, 45.0264, 30.2988



36.6410, 45.0264, 61.4148

Complementary

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



49.8596, 45.0264, 60.0959



45.9888, 55.9374, 48.9331

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.



35.6272, 45.0264, 49.6891



49.8596, 45.0264, 60.0959



38.9146, 45.0264, 32.7188

Square

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



49.8596, 45.0264, 60.0959



46.5046, 45.0264, 32.2174



36.4336, 45.0264, 39.4067



39.2905, 45.0264, 70.8519

Rectangle

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



49.8596, 45.0264, 60.0959



50.2667, 45.0264, 41.3857



36.4336, 45.0264, 39.4067



36.1052, 45.0264, 57.5534

Sweetspot

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



49.8609, 45.0284, 60.0969



89.8730, 90.4281, 104.7630



42.7624, 41.2588, 64.7420



19.1209, 19.1422, 22.3294



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.



49.8609, 45.0284, 60.0969



77.2773, 67.3853, 93.9409



47.6891, 44.1596, 48.6600



12.2052, 11.9668, 14.3566



20.5601, 10.0969, 23.6533



1.1760, 0.5751, 1.4615

Inverse Universe

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



49.8609, 45.0284, 60.0969



77.2773, 67.3853, 93.9409



48.1010, 56.7823, 60.0559



12.2052, 11.9668, 14.3566



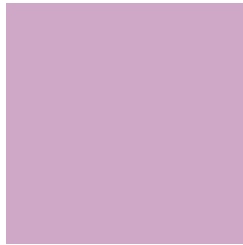
20.5601, 10.0969, 23.6533



1.1760, 0.5751, 1.4615

Previews

White Background



This preview shows how the XYZ color 49.8596, 45.0264, 60.0959 looks on a white background.

Color Contrast Check

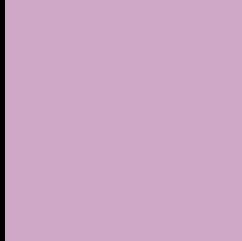
Large Text (above 18pt) WCAG AA × Fail

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 49.8596, 45.0264, 60.0959 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 49.8596, 45.0264, 60.0959

Background



This preview shows how black text looks on a background with the XYZ color 49.8596, 45.0264, 60.0959.



This preview shows how white text looks on a background with the XYZ color 49.8596, 45.0264,

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

49.8596, 45.0264, 60.0959

Protanopia

44.5165, 45.2957, 64.7892

Deuteranopia

46.0681, 45.0407, 59.6918



Tritanopia

48.0988, 45.1475, 50.9790

Trichromacy



Original Color

49.8596, 45.0264, 60.0959

Protanomaly

46.1652, 45.0230, 62.7571

Deuteranomaly

47.2616, 44.8051, 59.5834

Tritanomaly

48.8269, 45.1719, 54.2897

Monochromacy



Original Color

49.8596, 45.0264, 60.0959

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.6457, 46.3249, 54.6272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8596, 45.0264, 60.0959 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(207, 167, 199)` looks like.

```
.text, #text, p{  
    color:rgb(207, 167, 199)  
}
```

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(207, 167, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 167, 199) }
```

Border

The CSS property to change the border of an element to XYZ 49.8596, 45.0264, 60.0959 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(207, 167, 199) }
```


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

```
.border{ border-color:rgb(207, 167, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 167, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 167, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 167, 199);  
box-shadow:4px 4px 4px 4px rgb(207, 167,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8596, 45.0264, 60.0959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 167, 199) }
```

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

```
.background{ background-color: rgb(207,  
167, 199) }
```

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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