

Converting Colors

XYZ(47.7906, 45.6160, 49.7115)

Have a look what the booklet for
XYZ(47.7906, 45.6160, 49.7115)
contains.

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Color

**XYZ(47.6193, 45.4968,
49.4520)**

Conversions

Conversions Part 1

Format	Color
Hex	CBACB4
RGB	203, 172, 180
RGB Percent	80%, 67%, 71%
CMY	0.2039, 0.3255, 0.2941
CMYK	0.00, 0.15, 0.11, 0.20
HSL	345°, 23%, 74%
HSV	345°, 15%, 80%
XYZ	47.6193, 45.4968, 49.4520
YIQ	182.1810, 15.9080, 9.0600

Conversions

Conversions Part 2

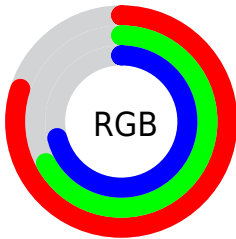
Format	Color
R _Y B	203, 172, 180
Decimal	13348020
CIE Lab	73.22, 12.56, 0.09
CIE LCh	73, 12.557, 0.408
Yxy	45.4968, 0.3340, 0.3191
Android (android.graphics.Color)	4291538100 (0xFFCBACB4)
YUV	182.1810, -1.0752, 18.2583
Hunter-Lab	67.4513, 7.9777, 3.7474

Details

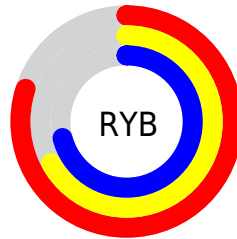
The XYZ color **47.6193, 45.4968, 49.4520** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **48.2212, 55.4237, 59.7886**, and the grayscale version is **44.5626, 46.8834, 51.0560**.

A 20% lighter version of the original color is **83.8494, 82.2543, 90.8142**, and **22.9417, 21.3548, 22.9914** is the 20% darker color. If you saturate the color by 10%, you get **42.5951, 37.7717, 40.6135**, and if you desaturate by 10%, it is **53.4030, 54.4729, 59.3675**.

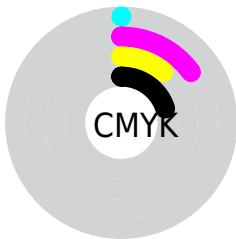
Distribution



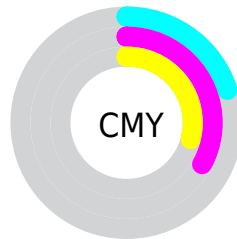
- Red (80%)
- Green (67%)
- Blue (71%)



- Red (80%)
- Yellow (67%)
- Blue (71%)



- Cyan (0%)
- Magenta (15%)
- Yellow (11%)
- Black (20%)





- Cyan (20%)
- Magenta (33%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6193, 45.4968, 49.4520 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 47.6193, 45.4968, 49.4520 by changing the saturation by 10% instead.


 47.6193, 45.4968,
49.4520

 47.6193, 45.4968,
49.4520


367.8889,
368.7819, 401.1925

 33.7355, 31.8489,
34.6100


 85.8504, 83.4654,
90.7503

 22.8524, 21.2461,
23.0815


110.9285,
108.5549, 118.0438

 14.6047, 13.3040,
14.4478


140.4687,
138.2271, 150.3248

 8.6269, 7.6382,
8.2905

174.8363,
172.8664, 188.0120

 4.5538, 3.8643,
4.1910

214.3968,
212.8571, 231.5238

 2.0200, 1.5980,
1.7307

259.5155,

 0.6451, 0.3562,

258.5836, 281.2788

0.3816

310.5577,
310.4305, 337.6955

■ 0.0000, 0.0000,
0.0000

■ 47.6193, 45.4968,
49.4520

■ 47.6193, 45.4968,
49.4520

■ 42.5951, 37.7717,
40.6135

■ 53.4030, 54.4729,
59.3675

■ 38.2945, 31.2361,
32.8124

■ 59.9725, 64.7461,
70.3922

■ 34.6846, 25.8323,
26.0105

■ 67.3574, 76.3673,
82.5605

■ 31.7282, 21.4954,
20.1664

■ 75.5847, 89.3831,
95.9043

■ 29.3844, 18.1538,
15.2355

■ 78.4388, 91.4366,
108.1226

■ 27.6076, 15.7271,
11.1696

■ 26.3457, 14.1223,
7.9153

■ 25.5354, 13.2261,
5.4127

■ 25.2570, 12.9479,
4.4608

Harmonies

Analogous

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



47.0326, 45.4968, 55.7743



47.6193, 45.4968, 49.4520



47.0007, 45.4968, 43.6478

Triad

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



47.6193, 45.4968, 49.4520



41.1344, 45.4968, 39.7943



41.1849, 45.4968, 60.8546

Complementary

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



47.6193, 45.4968, 49.4520



48.2212, 55.4237, 59.7886

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.



39.6917, 45.4968, 55.9362



47.6193, 45.4968, 49.4520



39.6633, 45.4968, 43.7854

Square

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



47.6193, 45.4968, 49.4520



43.2132, 45.4968, 38.3698



39.1440, 45.4968, 49.6247



43.2735, 45.4968, 62.6876

Rectangle

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



47.6193, 45.4968, 49.4520



45.9998, 45.4968, 40.7650



39.1440, 45.4968, 49.6247



40.5993, 45.4968, 59.4879

Sweetspot

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



47.6206, 45.4988, 49.4530



89.6305, 91.5387, 99.7632



47.9703, 45.3856, 62.7323



19.0274, 19.3482, 21.0868



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.



47.6206, 45.4988, 49.4530



77.1084, 72.1274, 78.2237



48.2433, 48.0107, 45.7564



11.3291, 11.2604, 12.2678



16.1052, 8.2527, 3.0067



0.8626, 0.4385, 0.3225

Inverse Universe

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



47.6206, 45.4988, 49.4530



77.1084, 72.1274, 78.2237



47.4816, 52.4585, 64.1233



11.3291, 11.2604, 12.2678



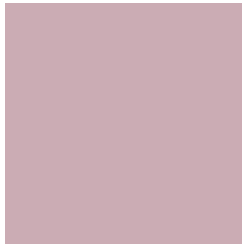
16.1052, 8.2527, 3.0067



0.8626, 0.4385, 0.3225

Previews

White Background



This preview shows how the XYZ color 47.6193, 45.4968, 49.4520 looks on a white background.

Color Contrast Check

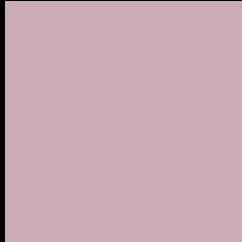
Large Text (above 18pt) WCAG AA × Fail

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 47.6193, 45.4968, 49.4520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

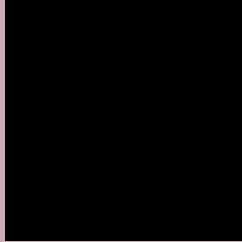
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6193, 45.4968, 49.4520

Background



This preview shows how black text looks on a background with the XYZ color 47.6193, 45.4968, 49.4520.



This preview shows how white text looks on a background with the XYZ color 47.6193, 45.4968,

49.4520.

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

47.6193, 45.4968, 49.4520

Protanopia

44.0632, 45.6460, 51.8356

Deuteranopia

46.4002, 45.4377, 49.5048



Tritanopia

48.2217, 45.4660, 52.1332

Trichromacy



Original Color

47.6193, 45.4968, 49.4520

Protanomaly

45.3078, 45.4167, 51.1781

Deuteranomaly

46.7350, 45.3245, 49.4653

Tritanomaly

48.0120, 45.3821, 51.0289

Monochromacy



Original Color

47.6193, 45.4968, 49.4520

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.4961, 46.1241, 50.2210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6193, 45.4968, 49.4520 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(203, 172, 180)` looks like.

```
.text, #text, p{  
    color:rgb(203, 172, 180)  
}
```

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(203, 172, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 172, 180) }
```

Border

The CSS property to change the border of an element to XYZ 47.6193, 45.4968, 49.4520 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(203, 172, 180) }
```


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

```
.border{ border-color:rgb(203, 172, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 172, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 172, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 172, 180);  
box-shadow:4px 4px 4px 4px rgb(203, 172,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6193, 45.4968, 49.4520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 172, 180) }
```

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

```
.background{ background-color: rgb(203,  
172, 180) }
```

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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