

Converting Colors

XYZ(48.3842, 45.7890, 49.5804)

Have a look what the booklet for
XYZ(48.3842, 45.7890, 49.5804)
contains.

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Color

**XYZ(48.4443, 45.9221,
49.4906)**

Conversions

Conversions Part 1

Format	Color
Hex	CEACB4
RGB	206, 172, 180
RGB Percent	81%, 67%, 71%
CMY	0.1922, 0.3255, 0.2941
CMYK	0.00, 0.17, 0.13, 0.19
HSL	346°, 26%, 74%
HSV	346°, 17%, 81%
XYZ	48.4443, 45.9221, 49.4906
YIQ	183.0780, 17.6960, 9.6960

Conversions

Conversions Part 2

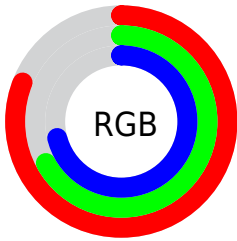
Format	Color
R _Y B	206, 172, 180
Decimal	13544628
CIE Lab	73.49, 13.64, 0.53
CIE LCh	73, 13.653, 2.213
Yxy	45.9221, 0.3368, 0.3192
Android (android.graphics.Color)	4291734708 (0xFFCEACB4)
YUV	183.0780, -1.5175, 20.1026
Hunter-Lab	67.7658, 9.0155, 4.1356

Details

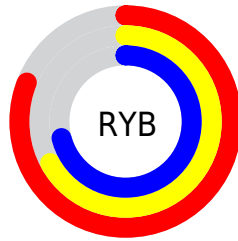
The XYZ color **48.4443, 45.9221, 49.4906** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **49.2793, 56.9916, 61.8319**, and the grayscale version is **45.0548, 47.4012, 51.6199**.

A 20% lighter version of the original color is **83.8494, 82.2543, 90.8142**, and **23.3097, 21.5446, 23.0086** is the 20% darker color. If you saturate the color by 10%, you get **43.3088, 38.0749, 40.3054**, and if you desaturate by 10%, it is **54.3726, 55.0618, 59.8412**.

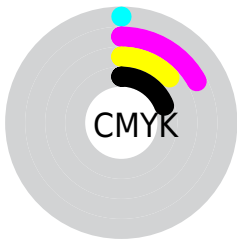
Distribution



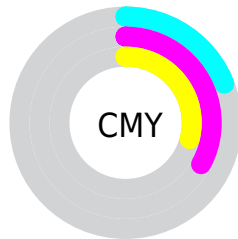
- Red (81%)
- Green (67%)
- Blue (71%)



- Red (81%)
- Yellow (67%)
- Blue (71%)



- Cyan (0%)
- Magenta (17%)
- Yellow (13%)
- Black (19%)





- Cyan (19%)
- Magenta (33%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4443, 45.9221, 49.4906 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 48.4443, 45.9221, 49.4906 by changing the saturation by 10% instead.


 48.4443, 45.9221,
49.4906

 48.4443, 45.9221,
49.4906


371.1039,
370.4954, 401.3484

 34.3916, 32.1844,
34.6405


 87.0713, 84.1024,
90.8082

 23.3589, 21.5023,
23.1047

112.3762,
109.3137, 118.1127

 14.9809, 13.4917,
14.4648


142.1626,
139.1184, 150.4058

 8.8922, 7.7680,
8.3022

176.7958,
173.9008, 188.1060

 4.7275, 3.9469,
4.1984

216.6412,
214.0453, 231.6318

 2.1214, 1.6439,
1.7348

262.0641,

 0.7008, 0.3869,

259.9363, 281.4018

0.3844

313.4299,
311.9582, 337.8344

■ 0.0000, 0.0000,
0.0000

■ 48.4443, 45.9221,
49.4906

■ 48.4443, 45.9221,
49.4906

■ 43.3088, 38.0749,
40.3054

■ 54.3726, 55.0618,
59.8412

■ 38.9282, 31.4558,
32.2414

■ 61.1216, 65.5424,
71.3936

■ 35.2673, 26.0042,
25.2558

■ 68.7229, 77.4173,
84.1859

■ 32.2866, 21.6517,
19.3018

■ 77.2050, 90.7352,
98.2541

■ 29.9424, 18.3228,
14.3291

■ 79.2638, 91.8619,
108.1612

■ 28.1859, 15.9325,
10.2830

■ 26.9611, 14.3818,
7.1029

■ 26.1970, 13.5443,
4.7192

■ 25.9967, 13.3391,
4.0503

Harmonies

Analogous

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



47.8773, 45.9221, 56.4477



48.4443, 45.9221, 49.4906



47.6873, 45.9221, 43.2546

Triad

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



48.4443, 45.9221, 49.4906



41.2234, 45.9221, 39.5914



41.5225, 45.9221, 62.6867

Complementary

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



48.4443, 45.9221, 49.4906



49.2793, 56.9916, 61.8319

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.



39.8427, 45.9221, 57.4156



48.4443, 45.9221, 49.4906



39.6746, 45.9221, 44.0655

Square

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



48.4443, 45.9221, 49.4906



43.4689, 45.9221, 37.8766



39.1784, 45.9221, 50.5156



43.8268, 45.9221, 64.4714

Rectangle

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



48.4443, 45.9221, 49.4906



46.5493, 45.9221, 40.2284



39.1784, 45.9221, 50.5156



40.8690, 45.9221, 61.2413

Sweetspot

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



48.4456, 45.9242, 49.4916



89.5861, 91.5210, 99.5293



49.0517, 45.9013, 64.6675



19.0167, 19.3439, 21.0301



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.



48.4456, 45.9242, 49.4916



75.2270, 69.4034, 74.3944



49.3238, 48.9470, 45.8802



11.3187, 11.2562, 12.2127



16.0395, 8.2264, 2.6608



0.8579, 0.4366, 0.2974

Inverse Universe

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



48.4456, 45.9242, 49.4916



75.2270, 69.4034, 74.3944



48.2354, 53.3882, 66.1557



11.3187, 11.2562, 12.2127



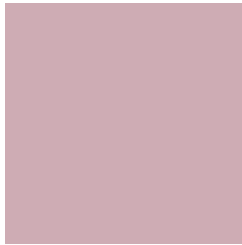
16.0395, 8.2264, 2.6608



0.8579, 0.4366, 0.2974

Previews

White Background



This preview shows how the XYZ color 48.4443, 45.9221, 49.4906 looks on a white background.

Color Contrast Check

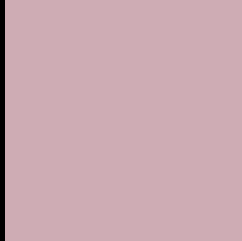
Large Text (above 18pt) WCAG AA × Fail

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 48.4443, 45.9221, 49.4906 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 48.4443, 45.9221, 49.4906

Background



This preview shows how black text looks on a background with the XYZ color 48.4443, 45.9221, 49.4906.



This preview shows how white text looks on a background with the XYZ color 48.4443, 45.9221,

49.4906.

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

48.4443, 45.9221, 49.4906

Protanopia

44.5014, 46.1705, 51.9137

Deuteranopia

46.7554, 45.9204, 49.0471



Tritanopia

49.0520, 45.8940, 52.1720

Trichromacy



Original Color

48.4443, 45.9221, 49.4906

Protanomaly

45.7552, 45.9395, 51.2554

Deuteranomaly

47.3601, 45.9443, 49.0198

Tritanomaly

48.8423, 45.8101, 51.0677

Monochromacy



Original Color

48.4443, 45.9221, 49.4906

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.0495, 46.6940, 50.8417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4443, 45.9221, 49.4906 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(206, 172, 180)` looks like.

```
.text, #text, p{  
    color:rgb(206, 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(206, 172, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 172, 180) }
```

Border

The CSS property to change the border of an element to XYZ 48.4443, 45.9221, 49.4906 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(206, 172, 180) }
```


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

```
.border{ border-color:rgb(206, 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(206, 172, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 172, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 172, 180);  
box-shadow:4px 4px 4px 4px rgb(206, 172,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4443, 45.9221, 49.4906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 172, 180) }
```

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

```
.background{ background-color: rgb(206,  
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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