

# Converting Colors

XYZ(45.9207, 45.1643, 49.3521)

Have a look what the booklet for  
XYZ(45.9207, 45.1643, 49.3521)  
contains.

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# Color

**XYZ(45.8799, 45.1695,  
49.4805)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C3AEB4
RGB	195, 174, 180
RGB Percent	76%, 68%, 71%
CMY	0.2353, 0.3176, 0.2941
CMYK	0.00, 0.11, 0.08, 0.24
HSL	343°, 15%, 72%
HSV	343°, 11%, 76%
XYZ	45.8799, 45.1695, 49.4805
YIQ	180.9630, 10.5900, 6.3180

# Conversions

## Conversions Part 2

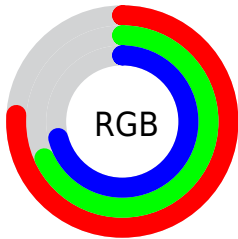
Format	Color
<a href="#">RYB</a>	<a href="#">195, 174, 180</a>
Decimal	<a href="#">12824244</a>
CIELab	<a href="#">73.00, 8.59, -0.31</a>
CIELCh	<a href="#">73, 8.592, 357.933</a>
Yxy	<a href="#">45.1695, 0.3265, 0.3214</a>
Android (android.graphics.Color)	<a href="#">4291014324</a> ( <a href="#">0xFFC3AEB4</a> )
YUV	<a href="#">180.9630, -0.4748, 12.3104</a>
Hunter-Lab	<a href="#">67.2083, 4.2391, 3.3949</a>

# Details

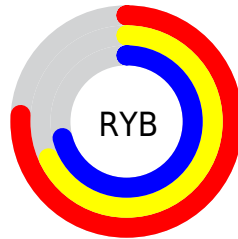
The XYZ color **45.8799, 45.1695, 49.4805** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.1576, 51.7040, 55.6936**, and the grayscale version is **43.9005, 46.1868, 50.2974**.

A 20% lighter version of the original color is **83.3045, 82.7902, 90.9464**, and **21.7748, 21.1141, 23.0064** is the 20% darker color. If you saturate the color by 10%, you get **41.0343, 37.6361, 41.2121**, and if you desaturate by 10%, it is **51.4176, 53.8577, 58.6845**.

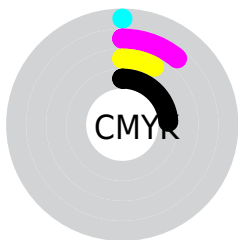
# Distribution



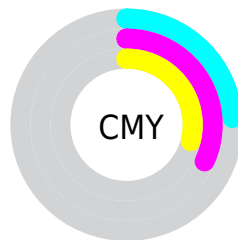
- Red (76%)
- Green (68%)
- Blue (71%)



- Red (76%)
- Yellow (68%)
- Blue (71%)



- Cyan (0%)
- Magenta (11%)
- Yellow (8%)
- Black (24%)




- Cyan (24%)
- Magenta (32%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8799, 45.1695, 49.4805 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 45.8799, 45.1695, 49.4805 by changing the saturation by 10% instead.





 45.8799, 45.1695,  
49.4805

 45.8799, 45.1695,  
49.4805


361.0496,  
367.4596, 401.3076

 32.3553, 31.5910,  
34.6325


 83.2682, 82.9747,  
90.7930

 21.7899, 21.0493,  
23.0986


107.8626,  
107.9702, 118.0947

 13.8183, 13.1600,  
14.4604


136.8776,  
137.5400, 150.3846

 8.0753, 7.5388,  
8.2992

170.6786,  
172.0687, 188.0814

 4.1954, 3.8013,  
4.1965

209.6310,  
211.9406, 231.6035

 1.8132, 1.5630,  
1.7337

254.1000,

 0.5256, 0.3325,

257.5402, 281.3696

0.3837

304.4511,  
309.2517, 337.7981

■ 0.0000, 0.0000,  
0.0000

■ 45.8799, 45.1695,  
49.4805

■ 45.8799, 45.1695,  
49.4805

■ 41.0343, 37.6361,  
41.2121

■ 51.4176, 53.8577,  
58.6845

■ 36.8494, 31.2030,  
33.8464

■ 57.6696, 63.7405,  
68.8497

■ 33.2969, 25.8201,  
27.3530

■ 64.6620, 74.8630,  
80.0043

■ 30.3448, 21.4310,  
21.6984

■ 72.4182, 87.2663,  
92.1744

■ 27.9586, 17.9742,  
16.8470

■ 75.4671, 90.0027,  
103.5540

■ 26.0997, 15.3811,  
12.7604

■ 76.3159, 90.3422,  
108.0233

■ 24.7248, 13.5735,  
9.3967

■ 23.7826, 12.4591,  
6.7094

■ 23.2122, 11.8847,  
4.7727

# Harmonies

## Analogous

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



45.4234, 45.1695, 53.6995



45.8799, 45.1695, 49.4805



45.5315, 45.1695, 45.4127

# Triad

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



45.8799, 45.1695, 49.4805



41.5952, 45.1695, 42.2384



41.4190, 45.1695, 56.5200

# Complementary

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



45.8799, 45.1695, 49.4805



46.1576, 51.7040, 55.6936

# 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.



40.4339, 45.1695, 53.1541



45.8799, 45.1695, 49.4805



40.5339, 45.1695, 44.9251

# Square

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



45.8799, 45.1695, 49.4805



43.0364, 45.1695, 41.3795



40.1136, 45.1695, 48.8845



42.8283, 45.1695, 57.9081



# Rectangle

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



45.8799, 45.1695, 49.4805



44.8940, 45.1695, 43.3006



40.1136, 45.1695, 48.8845



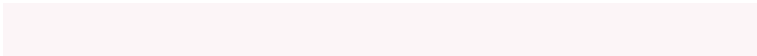
41.0285, 45.1695, 55.5730

# Sweetspot

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



45.8812, 45.1715, 49.4815



89.7177, 92.7275, 101.1972



45.8998, 44.9948, 57.8959



19.4648, 20.0196, 21.8595



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.



45.8812, 45.1715, 49.4815



79.9481, 77.4301, 84.8639



46.1073, 46.5804, 46.6076



10.1888, 10.1241, 11.0850



15.1183, 7.7371, 3.2692



0.6839, 0.3466, 0.3027



# Inverse Universe

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



45.8812, 45.1715, 49.4815



79.9481, 77.4301, 84.8639



45.8946, 50.1145, 58.8843



10.1888, 10.1241, 11.0850



15.1183, 7.7371, 3.2692



0.6839, 0.3466, 0.3027



# Previews

## White Background



This preview shows how the XYZ color 45.8799, 45.1695, 49.4805 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

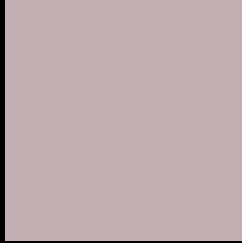
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.8799, 45.1695, 49.4805 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 45.8799, 45.1695, 49.4805

## Background



This preview shows how black text looks on a background with the XYZ color 45.8799, 45.1695, 49.4805.



This preview shows how white text looks on a background with the XYZ color 45.8799, 45.1695,



# 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

45.8799, 45.1695, 49.4805

### Protanopia

43.5237, 45.0834, 51.2078

### Deuteranopia

46.1392, 45.3032, 49.4926



## Tritanopia

46.6782, 45.2108, 53.2801

# Trichromacy



## Original Color

45.8799, 45.1695, 49.4805

## Protanomaly

44.4153, 45.2608, 50.6512

## Deuteranomaly

46.1392, 45.3032, 49.4926

## Tritanomaly

46.3602, 45.0836, 51.6060

# Monochromacy



## Original Color

45.8799, 45.1695, 49.4805

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

44.5106, 45.6161, 50.1749

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.8799, 45.1695, 49.4805 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(195, 174, 180)` looks like.

```
.text, #text, p{  
    color:rgb(195, 174, 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(195, 174, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 174, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 45.8799, 45.1695, 49.4805 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(195, 174, 180) }
```



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

```
.border{ border-color:rgb(195, 174, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 174, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 174, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 174, 180);  
box-shadow:4px 4px 4px 4px rgb(195, 174,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.8799, 45.1695, 49.4805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 174, 180) }
```

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

```
.background{ background-color: rgb(195,  
174, 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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