

Converting Colors

XYZ(48.4116, 45.5420, 45.1610)

Have a look what the booklet for
XYZ(48.4116, 45.5420, 45.1610)
contains.

XYZ(48.3995, 45.4296, 45.2476)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.3995, 45.4296,
45.2476)**

Conversions

Conversions Part 1

Format	Color
Hex	D2AAAC
RGB	210, 170, 172
RGB Percent	82%, 67%, 67%
CMY	0.1765, 0.3333, 0.3255
CMYK	0.00, 0.19, 0.18, 0.18
HSL	357°, 31%, 75%
HSV	357°, 19%, 82%
XYZ	48.3995, 45.4296, 45.2476
YIQ	182.1880, 23.1980, 9.1020

Conversions

Conversions Part 2

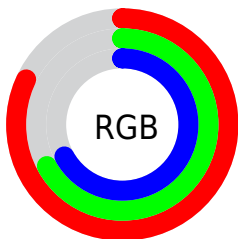
Format	Color
R _Y B	210, 170, 172
Decimal	13806252
CIE Lab	73.17, 14.90, 4.50
CIE LCh	73, 15.568, 16.801
Yxy	45.4296, 0.3480, 0.3267
Android (android.graphics.Color)	4291996332 (0xFFD2AAAC)
YUV	182.1880, -5.0227, 24.3911
Hunter-Lab	67.4015, 10.2243, 7.3788

Details

The XYZ color **48.3995, 45.4296, 45.2476** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **51.0112, 59.1945, 68.4145**, and the grayscale version is **44.5845, 46.9064, 51.0810**.

A 20% lighter version of the original color is **82.0303, 80.6565, 83.9178**, and **23.3862, 21.2815, 20.6445** is the 20% darker color. If you saturate the color by 10%, you get **42.9983, 37.4668, 34.6925**, and if you desaturate by 10%, it is **54.7197, 54.7692, 57.5294**.

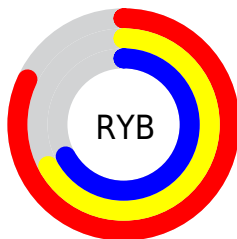
Distribution



Red (82%)

Green (67%)

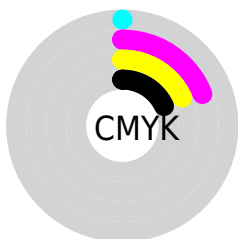
Blue (67%)



Red (82%)

Yellow (67%)

Blue (67%)

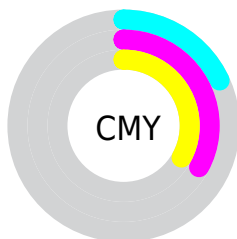


Cyan (0%)

Magenta (19%)

Yellow (18%)

Black (18%)



Cyan (18%)


Magenta (33%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3995, 45.4296, 45.2476 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 48.3995, 45.4296, 45.2476 by changing the saturation by 10% instead.


 48.3995, 45.4296,
45.2476

 48.3995, 45.4296,
45.2476


370.9298,
368.5107, 383.9648

 34.3559, 31.7959,
31.3081


 87.0050, 83.3647,
84.4142

 23.3314, 21.2057,
20.5732


112.2977,
108.4349, 110.4784

 14.9604, 13.2744,
12.6242


142.0708,
138.0861, 141.4213

 8.8777, 7.6178,
7.0426

176.6896,
172.7027, 177.6615

 4.7180, 3.8514,
3.4099

216.5196,
212.6691, 219.6173

 2.1158, 1.5908,
1.3076

261.9260,

 0.6978, 0.3514,

258.3696, 267.7074

0.0680

313.2743,
310.1887, 322.3504

■ 0.0000, 0.0000,
0.0000

■ 48.3995, 45.4296,
45.2476

■ 48.3995, 45.4296,
45.2476

■ 42.9983, 37.4668,
34.6925

■ 54.7197, 54.7692,
57.5294

■ 38.4699, 30.8100,
25.7841

■ 61.9950, 65.5399,
71.6076

■ 34.7695, 25.3912,
18.4402

■ 70.2641, 77.8006,
87.5511

■ 31.8470, 21.1342,
12.5704

■ 79.5625, 91.6049,
105.4248

■ 29.6468, 17.9539,
8.0752

■ 80.3886, 92.4418,
108.2139

■ 28.1058, 15.7540,
4.8426

■ 27.1504, 14.4209,
2.7432

■ 26.6691, 13.7728,
1.6131

■ 26.6360, 13.7247,
1.5464

Harmonies

Analogous

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



48.4917, 45.4296, 52.9760



48.3995, 45.4296, 45.2476



46.8715, 45.4296, 39.2999

Triad

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



48.3995, 45.4296, 45.2476



39.4665, 45.4296, 39.8757



41.9925, 45.4296, 65.5840

Complementary

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



48.3995, 45.4296, 45.2476



51.0112, 59.1945, 68.4145

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.



39.6866, 45.4296, 61.2475



48.3995, 45.4296, 45.2476



38.2701, 45.4296, 46.1129

Square

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



48.3995, 45.4296, 45.2476



41.6806, 45.4296, 36.4297



38.3490, 45.4296, 53.9369



44.7139, 45.4296, 65.2894

Rectangle

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



48.3995, 45.4296, 45.2476



45.2794, 45.4296, 36.8994



38.3490, 45.4296, 53.9369



41.1455, 45.4296, 64.6017

Sweetspot

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



48.4008, 45.4317, 45.2485



88.1090, 89.7226, 95.4740



52.0213, 46.8145, 67.2676



18.7044, 18.9756, 20.1360



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.



48.4008, 45.4317, 45.2485



71.4000, 65.0344, 62.9916



51.8186, 52.5720, 45.4489



11.8323, 11.8177, 12.3928



16.2584, 8.3762, 1.0011



0.9177, 0.4718, 0.1012

Inverse Universe

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



48.4008, 45.4317, 45.2485



71.4000, 65.0344, 62.9916



47.0618, 50.9002, 68.3177



11.8323, 11.8177, 12.3928



16.2584, 8.3762, 1.0011



0.9177, 0.4718, 0.1012

Previews

White Background



This preview shows how the XYZ color 48.3995, 45.4296, 45.2476 looks on a white background.

Color Contrast Check

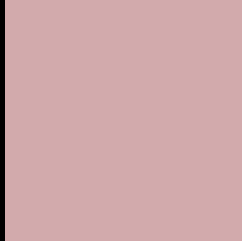
Large Text (above 18pt) WCAG AA × Fail

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 48.3995, 45.4296, 45.2476 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 48.3995, 45.4296, 45.2476

Background



This preview shows how black text looks on a background with the XYZ color 48.3995, 45.4296, 45.2476.



This preview shows how white text looks on a background with the XYZ color 48.3995, 45.4296,

45.2476.

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

48.3995, 45.4296, 45.2476

Protanopia

43.8231, 45.6049, 48.0879

Deuteranopia

46.3062, 45.4917, 44.8683



Tritanopia

49.4954, 45.6022, 50.4494

Trichromacy



Original Color

48.3995, 45.4296, 45.2476

Protanomaly

45.2555, 45.4833, 46.9514

Deuteranomaly

47.1961, 45.6648, 44.8548

Tritanomaly

49.0878, 45.4392, 48.3029

Monochromacy



Original Color

48.3995, 45.4296, 45.2476

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.6945, 46.2616, 48.6405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3995, 45.4296, 45.2476 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(210, 170, 172)` looks like.

```
.text, #text, p{  
    color:rgb(210, 170, 172)  
}
```

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(210, 170, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 170, 172) }
```

Border

The CSS property to change the border of an element to XYZ 48.3995, 45.4296, 45.2476 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(210, 170, 172) }
```


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

```
.border{ border-color:rgb(210, 170, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 170, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 170, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 170, 172);  
box-shadow:4px 4px 4px 4px rgb(210, 170,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3995, 45.4296, 45.2476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 170, 172) }
```

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

```
.background{ background-color: rgb(210,  
170, 172) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor