

Converting Colors

XYZ(49.9682, 44.9310, 48.0748)

Have a look what the booklet for
XYZ(49.9682, 44.9310, 48.0748)
contains.

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Color

**XYZ(49.8099, 44.7235,
48.1267)**

Conversions

Conversions Part 1

Format	Color
Hex	D8A5B2
RGB	216, 165, 178
RGB Percent	85%, 65%, 70%
CMY	0.1529, 0.3529, 0.3020
CMYK	0.00, 0.24, 0.18, 0.15
HSL	345°, 40%, 75%
HSV	345°, 24%, 85%
XYZ	49.8099, 44.7235, 48.1267
YIQ	181.7310, 26.2230, 14.8550

Conversions

Conversions Part 2

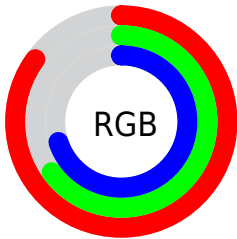
Format	Color
R _Y B	216, 165, 178
Decimal	14198194
CIE Lab	72.71, 20.75, 0.60
CIE LCh	73, 20.755, 1.653
Yxy	44.7235, 0.3492, 0.3135
Android (android.graphics.Color)	4292388274 (0xFFD8A5B2)
YUV	181.7310, -1.8394, 30.0539
Hunter-Lab	66.8756, 15.9169, 4.1452

Details

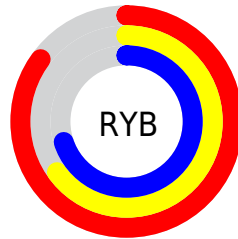
The XYZ color **49.8099, 44.7235, 48.1267** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **50.8542, 61.4240, 65.6786**, and the grayscale version is **44.3178, 46.6258, 50.7755**.

A 20% lighter version of the original color is **81.6845, 78.3869, 88.6669**, and **24.1040, 20.7645, 22.1396** is the 20% darker color. If you saturate the color by 10%, you get **44.7157, 36.9711, 38.9179**, and if you desaturate by 10%, it is **55.7542, 53.8718, 58.5555**.

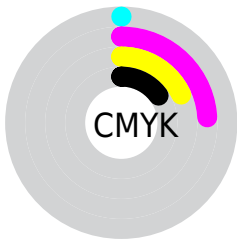
Distribution



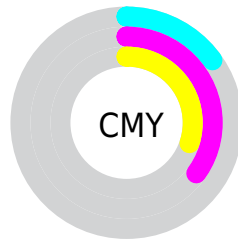
- Red (85%)
- Green (65%)
- Blue (70%)



- Red (85%)
- Yellow (65%)
- Blue (70%)



- Cyan (0%)
- Magenta (24%)
- Yellow (18%)
- Black (15%)





- Cyan (15%)
- Magenta (35%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8099, 44.7235, 48.1267 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 49.8099, 44.7235, 48.1267 by changing the saturation by 10% instead.


 49.8099, 44.7235,
48.1267


 49.8099, 44.7235,
48.1267


376.3864,
365.6526, 395.8173

 35.4796, 31.2397,
33.5665


 89.0867, 82.3053,
88.7605

 24.2008, 20.7814,
22.2861


 114.7638,
107.1722, 115.6713

 15.6082, 12.9643,
13.8670


144.9539,
136.6021, 147.5359

 9.3364, 7.4040,
7.8905

180.0223,
170.9796, 184.7731

 5.0201, 3.7160,
3.9382

220.3344,
210.6890, 227.8013

 2.2939, 1.5160,
1.5915

266.2555,

 0.7916, 0.3000,

256.1147, 277.0390

0.2847

318.1511,
307.6411, 332.9048

■ 0.0000, 0.0000,
0.0000

■ 49.8099, 44.7235,
48.1267

■ 49.8099, 44.7235,
48.1267

■ 44.7157, 36.9711,
38.9179

■ 55.7542, 53.8718,
58.5555

■ 40.4283, 30.5397,
30.8808

■ 62.5818, 64.4736,
70.2444

■ 36.9061, 25.3568,
23.9681

■ 70.3287, 76.5911,
83.2352

■ 34.1023, 21.3404,
18.1280

■ 79.0276, 90.2808,
97.5668

■ 31.9647, 18.3986,
13.3044

■ 82.1291, 93.3390,
108.2953

■ 30.4335, 16.4256,
9.4356

■ 29.4374, 15.2934,
6.4522

■ 29.0098, 14.8753,
4.9626

Harmonies

Analogous

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



48.8962, 44.7235, 58.7288



49.8099, 44.7235, 48.1267



48.6773, 44.7235, 39.0161

Triad

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



49.8099, 44.7235, 48.1267



38.9783, 44.7235, 33.6950



39.3056, 44.7235, 68.3105

Complementary

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



49.8099, 44.7235, 48.1267



50.8542, 61.4240, 65.6786

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.



36.8839, 44.7235, 59.8582



49.8099, 44.7235, 48.1267



36.7026, 44.7235, 39.8768

Square

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



49.8099, 44.7235, 48.1267



42.3090, 44.7235, 31.4463



35.9577, 44.7235, 49.2704



42.7083, 44.7235, 71.3223

Rectangle

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



49.8099, 44.7235, 48.1267



46.9493, 44.7235, 34.7445



35.9577, 44.7235, 49.2704



38.3566, 44.7235, 65.9575

Sweetspot

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



49.8112, 44.7255, 48.1276



87.5495, 88.3080, 96.1984



50.3168, 44.4827, 70.9003



18.6074, 18.6967, 20.3654



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.



49.8112, 44.7255, 48.1276



68.9340, 59.6296, 63.6270



50.8143, 48.7222, 42.3259



12.5518, 12.4722, 13.5802



17.2080, 8.8195, 3.1332



1.0717, 0.5455, 0.3669

Inverse Universe

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



49.8112, 44.7255, 48.1276



68.9340, 59.6296, 63.6270



49.5299, 56.1919, 73.2018



12.5518, 12.4722, 13.5802



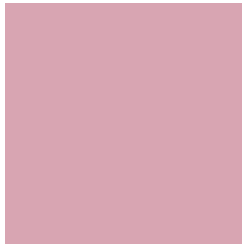
17.2080, 8.8195, 3.1332



1.0717, 0.5455, 0.3669

Previews

White Background



This preview shows how the XYZ color 49.8099, 44.7235, 48.1267 looks on a white background.

Color Contrast Check

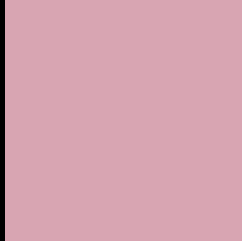
Large Text (above 18pt) WCAG AA × Fail

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 49.8099, 44.7235, 48.1267 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 49.8099, 44.7235, 48.1267

Background



This preview shows how black text looks on a background with the XYZ color 49.8099, 44.7235, 48.1267.



This preview shows how white text looks on a background with the XYZ color 49.8099, 44.7235,

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

49.8099, 44.7235, 48.1267

Protanopia

43.4997, 45.0469, 52.3012

Deuteranopia

45.9053, 44.9318, 47.8482



Tritanopia

49.8099, 44.7235, 48.1267

Trichromacy



Original Color

49.8099, 44.7235, 48.1267

Protanomaly

45.3794, 44.6020, 50.4733

Deuteranomaly

47.2124, 44.7611, 47.7464

Tritanomaly

49.8099, 44.7235, 48.1267

Monochromacy



Original Color

49.8099, 44.7235, 48.1267

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.1140, 45.8562, 50.1367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8099, 44.7235, 48.1267 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(216, 165, 178)` looks like.

```
.text, #text, p{  
    color:rgb(216, 165, 178)  
}
```

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(216, 165, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 165, 178) }
```

Border

The CSS property to change the border of an element to XYZ 49.8099, 44.7235, 48.1267 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(216, 165, 178) }
```


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

```
.border{ border-color:rgb(216, 165, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 165, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 165, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 165, 178);  
box-shadow:4px 4px 4px 4px rgb(216, 165,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8099, 44.7235, 48.1267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 165, 178) }
```

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

```
.background{ background-color: rgb(216,  
165, 178) }
```

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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