

Converting Colors

XYZ(49.8495, 44.4989, 62.2637)

Have a look what the booklet for
XYZ(49.8495, 44.4989, 62.2637)
contains.

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Color

**XYZ(49.9668, 44.4875,
62.4533)**

Conversions

Conversions Part 1

Format	Color
Hex	CFA5CB
RGB	207, 165, 203
RGB Percent	81%, 65%, 80%
CMY	0.1882, 0.3529, 0.2039
CMYK	0.00, 0.20, 0.02, 0.19
HSL	306°, 30%, 73%
HSV	306°, 20%, 81%
XYZ	49.9668, 44.4875, 62.4533
YIQ	181.8900, 12.8340, 20.7220

Conversions

Conversions Part 2

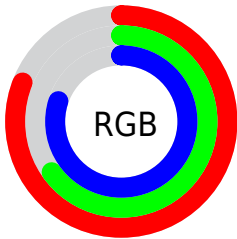
Format	Color
R _Y B	207, 165, 203
Decimal	13608395
CIE Lab	72.55, 21.84, -13.50
CIE LCh	73, 25.676, 328.291
Yxy	44.4875, 0.3184, 0.2835
Android (android.graphics.Color)	4291798475 (0xFFCFA5CB)
YUV	181.8900, 10.4072, 22.0215
Hunter-Lab	66.6990, 16.9982, -8.8267

Details

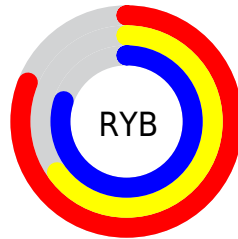
The XYZ color **49.9668, 44.4875, 62.4533** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.9931, 55.4910, 45.8781**, and the grayscale version is **44.3450, 46.6544, 50.8066**.

A 20% lighter version of the original color is **84.8832, 79.6664, 105.5111**, and **24.2788, 20.6556, 31.1411** is the 20% darker color. If you saturate the color by 10%, you get **46.2980, 37.5230, 60.0788**, and if you desaturate by 10%, it is **54.2455, 52.6657, 65.0469**.

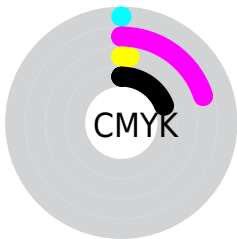
Distribution



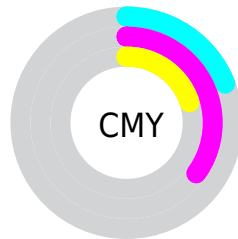
- Red (81%)
- Green (65%)
- Blue (80%)



- Red (81%)
- Yellow (65%)
- Blue (80%)



- Cyan (0%)
- Magenta (20%)
- Yellow (2%)
- Black (19%)



- Cyan (19%)
- Magenta (35%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9668, 44.4875, 62.4533 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 49.9668, 44.4875, 62.4533 by changing the saturation by 10% instead.


 49.9668, 44.4875,
62.4533

 49.9668, 44.4875,
62.4533


376.9902,
364.6939, 451.6359

 35.6047, 31.0539,
44.9609


 89.3178, 81.9508,
109.9584

 24.2978, 20.6399,
31.0839


 115.0374,
106.7494, 140.8081

 15.6806, 12.8611,
20.4038


145.2736,
136.1050, 176.9474

 9.3878, 7.3329,
12.5019

180.3917,
170.4022, 218.7948

 5.0541, 3.6712,
6.9598

220.7570,
210.0253, 266.7688

 2.3141, 1.4914,
3.3589

266.7350,

 0.8019, 0.2826,

255.3587, 321.2879

1.2807

318.6909,
306.7868, 382.7708

■ 0.0000, 0.0000,
0.0459

■ 0.0000, 0.0000,
0.0000

■ 49.9668, 44.4875,
62.4533

■ 49.9668, 44.4875,
62.4533

■ 46.2980, 37.5230,
60.0788

■ 54.2455, 52.6657,
65.0469

■ 43.2062, 31.7082,
57.9108

■ 59.1572, 62.1058,
67.8657

■ 40.6611, 26.9822,
55.9397

■ 64.7287, 72.8607,
70.9193

■ 38.6284, 23.2763,
54.1540

■ 70.9840, 84.9783,
74.2158

37.0698, 20.5138,
52.5409

73.4850, 89.5826,
76.2758

35.9414, 18.6070,
51.0856

73.7367, 89.6833,
77.6010

35.1914, 17.4523,
49.7709

73.9914, 89.7851,
78.9424

34.7325, 16.8656,
48.5976

74.2492, 89.8883,
80.2998

74.5100, 89.9926,
81.6735

Harmonies

Analogous

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



46.4586, 44.4875, 73.3027



49.9668, 44.4875, 62.4533



51.3998, 44.4875, 49.1720

Triad

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



49.9668, 44.4875, 62.4533



42.5391, 44.4875, 27.8879



35.2064, 44.4875, 60.9695

Complementary

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



49.9668, 44.4875, 62.4533



44.9931, 55.4910, 45.8781

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.



34.3153, 44.4875, 47.7140



49.9668, 44.4875, 62.4533



38.3673, 44.4875, 29.9493

Square

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



49.9668, 44.4875, 62.4533



46.9296, 44.4875, 30.4815



35.4321, 44.4875, 36.6962



37.9556, 44.4875, 72.3460

Rectangle

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



49.9668, 44.4875, 62.4533



50.9146, 44.4875, 41.1673



35.4321, 44.4875, 36.6962



34.6884, 44.4875, 56.5209

Sweetspot

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



49.9681, 44.4894, 62.4543



90.1280, 90.5302, 106.1061



40.9747, 39.7974, 64.5545



19.1814, 19.1664, 22.6477



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.



49.9681, 44.4894, 62.4543



77.6128, 66.6048, 98.5273



47.6842, 43.5759, 50.4270



12.2602, 11.9888, 14.6462



21.9019, 10.6336, 30.7193



1.2391, 0.6003, 1.7937

Inverse Universe

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



49.9681, 44.4894, 62.4543



77.6128, 66.6048, 98.5273



47.0712, 56.3222, 56.8211



12.2602, 11.9888, 14.6462



21.9019, 10.6336, 30.7193



1.2391, 0.6003, 1.7937

Previews

White Background



This preview shows how the XYZ color 49.9668, 44.4875, 62.4533 looks on a white background.

Color Contrast Check

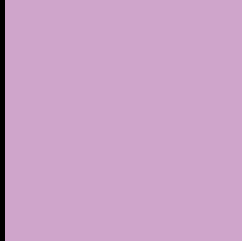
Large Text (above 18pt) WCAG AA × Fail

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 49.9668, 44.4875, 62.4533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

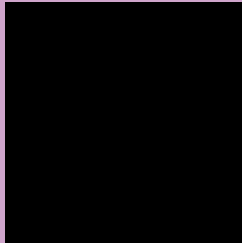
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9668, 44.4875, 62.4533

Background



This preview shows how black text looks on a background with the XYZ color 49.9668, 44.4875, 62.4533.



This preview shows how white text looks on a background with the XYZ color 49.9668, 44.4875,

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

49.9668, 44.4875, 62.4533

Protanopia

44.2746, 44.8054, 67.9428

Deuteranopia

45.6863, 44.8034, 61.4983



Tritanopia

47.5333, 44.5907, 50.3576

Trichromacy



Original Color

49.9668, 44.4875, 62.4533

Protanomaly

46.0959, 44.6316, 65.8597

Deuteranomaly

47.2159, 44.7275, 62.0218

Tritanomaly

48.4737, 44.7021, 54.7887

Monochromacy



Original Color

49.9668, 44.4875, 62.4533

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.3055, 45.8447, 55.1236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9668, 44.4875, 62.4533 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(207, 165, 203)` looks like.

```
.text, #text, p{  
    color:rgb(207, 165, 203)  
}
```

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(207, 165, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 165, 203) }
```

Border

The CSS property to change the border of an element to XYZ 49.9668, 44.4875, 62.4533 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(207, 165, 203) }
```


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

```
.border{ border-color:rgb(207, 165, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 165, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 165, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 165, 203);  
box-shadow:4px 4px 4px 4px rgb(207, 165,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9668, 44.4875, 62.4533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 165, 203) }
```

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

```
.background{ background-color: rgb(207,  
165, 203) }
```

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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