

Converting Colors

XYZ(49.1939, 44.1370, 63.3087)

Have a look what the booklet for
XYZ(49.1939, 44.1370, 63.3087)
contains.

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Color

**XYZ(48.9828, 43.9664,
63.0314)**

Conversions

Conversions Part 1

Format	Color
Hex	CBA5CC
RGB	203, 165, 204
RGB Percent	80%, 65%, 80%
CMY	0.2039, 0.3529, 0.2000
CMYK	0.00, 0.19, 0.00, 0.20
HSL	298°, 28%, 72%
HSV	298°, 19%, 80%
XYZ	48.9828, 43.9664, 63.0314
YIQ	180.8080, 10.1290, 20.1850

Conversions

Conversions Part 2

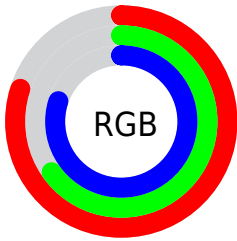
Format	Color
R_{YB}	203, 165, 204
Decimal	13346252
CIE _{Lab}	72.21, 20.67, -14.61
CIE _{LCh}	72, 25.312, 324.759
Yxy	43.9664, 0.3140, 0.2819
Android (android.graphics.Color)	4291536332 (0xFFCBA5CC)
YUV	180.8080, 11.4337, 19.4624
Hunter-Lab	66.3072, 15.8250, -9.9459

Details

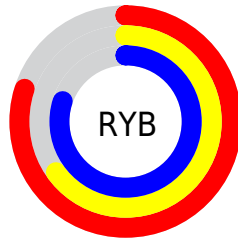
The XYZ color **48.9828, 43.9664, 63.0314** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.1118, 54.0104, 43.6996**, and the grayscale version is **43.7548, 46.0335, 50.1304**.

A 20% lighter version of the original color is **84.8832, 79.6664, 105.5111**, and **23.8046, 20.4018, 31.5375** is the 20% darker color. If you saturate the color by 10%, you get **45.4510, 37.1132, 61.8954**, and if you desaturate by 10%, it is **53.1046, 51.9974, 64.3650**.

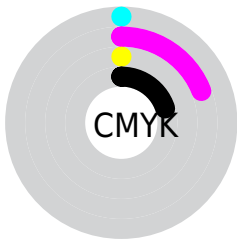
Distribution



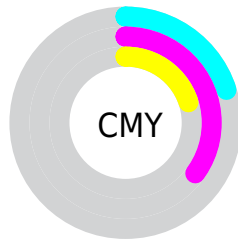
- Red (80%)
- Green (65%)
- Blue (80%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9828, 43.9664, 63.0314 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 48.9828, 43.9664, 63.0314 by changing the saturation by 10% instead.


 48.9828, 43.9664,
63.0314


 48.9828, 43.9664,
63.0314


373.1927,
362.5711, 453.7945

 34.8203, 30.6441,
45.4254


 87.8668, 81.1672,
110.8008

 23.6904, 20.3280,
31.4473


 113.3190,
105.8144, 141.8014

 15.2276, 12.6337,
20.6784


143.2652,
135.0055, 178.1039

 9.0666, 7.1768,
12.7002

178.0706,
169.1247, 220.1269

 4.8421, 3.5729,
7.0941

218.1008,
208.5565, 268.2889

 2.1887, 1.4376,
3.4417

263.7209,

 0.7368, 0.2442,

253.6852, 323.0085

1.3243

315.2964,
304.8953, 384.7042

■ 0.0000, 0.0000,
0.0816

■ 0.0000, 0.0000,
0.0000

■ 48.9828, 43.9664,
63.0314

■ 48.9828, 43.9664,
63.0314

■ 45.4510, 37.1132,
61.8954

■ 53.1046, 51.9974,
64.3650

■ 42.4776, 31.3766,
60.9448

■ 57.8383, 61.2524,
65.9018

■ 40.0337, 26.6985,
60.1707

■ 63.2097, 71.7820,
67.6512

■ 38.0866, 23.0132,
59.5620

■ 69.2418, 83.6323,
69.6206

36.5997, 20.2478,
59.1066

72.0063, 88.9466,
70.5006

35.5318, 18.3194,
58.7906

72.1514, 89.0214,
70.5074

34.8337, 17.1301,
58.5979

72.2970, 89.0964,
70.5142

34.4236, 16.5160,
58.5009

72.4430, 89.1717,
70.5211

34.3918, 16.4706,
58.4938

72.5896, 89.2473,
70.5279

Harmonies

Analogous

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



45.3826, 43.9664, 73.0237



48.9828, 43.9664, 63.0314



50.6633, 43.9664, 50.0887

Triad

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



48.9828, 43.9664, 63.0314



42.5558, 43.9664, 27.7960



34.6586, 43.9664, 58.5967

Complementary

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



48.9828, 43.9664, 63.0314



44.1118, 54.0104, 43.6996

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.



34.0162, 43.9664, 45.7216



48.9828, 43.9664, 63.0314



38.3898, 43.9664, 29.2814

Square

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



48.9828, 43.9664, 63.0314



46.7920, 43.9664, 30.8830



35.3360, 43.9664, 35.3617



37.1554, 43.9664, 70.1685

Rectangle

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



48.9828, 43.9664, 63.0314



50.3904, 43.9664, 42.0370



35.3360, 43.9664, 35.3617



34.2263, 43.9664, 54.2232

Sweetspot

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



48.9841, 43.9683, 63.0323



90.2177, 90.5494, 107.3305



40.1088, 39.7428, 62.6845



19.2026, 19.1710, 22.9382



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.



48.9841, 43.9683, 63.0323



78.5580, 67.8339, 103.5605



47.2000, 43.2862, 52.2118



11.6580, 11.3885, 14.1541



21.6591, 10.3732, 36.8169



1.1266, 0.5399, 1.8998

Inverse Universe

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



45.2414, 42.5028, 41.8978



71.2351, 64.9684, 62.1232



45.6795, 54.6134, 53.0444



11.2238, 11.2182, 11.7131



15.6968, 8.0893, 0.8561



0.8140, 0.4190, 0.0661

Previews

White Background



This preview shows how the XYZ color 48.9828, 43.9664, 63.0314 looks on a white background.

Color Contrast Check

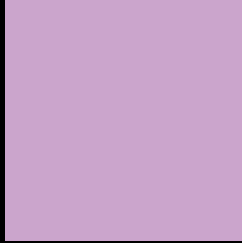
Large Text (above 18pt) WCAG AA × Fail

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 48.9828, 43.9664, 63.0314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

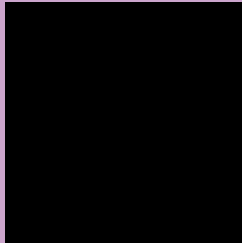
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9828, 43.9664, 63.0314

Background



This preview shows how black text looks on a background with the XYZ color 48.9828, 43.9664, 63.0314.



This preview shows how white text looks on a background with the XYZ color 48.9828, 43.9664,

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

48.9828, 43.9664, 63.0314

Protanopia

43.8608, 44.2999, 67.8670

Deuteranopia

45.0145, 44.1440, 62.6480



Tritanopia

46.4509, 44.0327, 50.3069

Trichromacy



Original Color

48.9828, 43.9664, 63.0314

Protanomaly

45.4291, 44.0042, 65.7738

Deuteranomaly

46.3894, 44.0084, 62.5494

Tritanomaly

47.3843, 44.1405, 54.7377

Monochromacy



Original Color

48.9828, 43.9664, 63.0314

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.5015, 45.1529, 54.4613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9828, 43.9664, 63.0314 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(203, 165, 204)` looks like.

```
.text, #text, p{  
    color:rgb(203, 165, 204)  
}
```

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(203, 165, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 165, 204) }
```

Border

The CSS property to change the border of an element to XYZ 48.9828, 43.9664, 63.0314 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(203, 165, 204) }
```


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

```
.border{ border-color:rgb(203, 165, 204) }
```

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

Here you see how a box with a 4 pixel rgb(203, 165, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 165, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 165, 204);  
box-shadow:4px 4px 4px 4px rgb(203, 165,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9828, 43.9664, 63.0314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 165, 204) }
```

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

```
.background{ background-color: rgb(203,  
165, 204) }
```

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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