

Converting Colors

XYZ(51.7357, 49.1670, 64.0106)

Have a look what the booklet for
XYZ(51.7357, 49.1670, 64.0106)
contains.

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Color

**XYZ(51.7213, 49.0378,
63.8660)**

Conversions

Conversions Part 1

Format	Color
Hex	CCB2CC
RGB	204, 178, 204
RGB Percent	80%, 70%, 80%
CMY	0.2000, 0.3019, 0.2000
CMYK	0.00, 0.13, 0.00, 0.20
HSL	300°, 20%, 75%
HSV	300°, 13%, 80%
XYZ	51.7213, 49.0378, 63.8660
YIQ	188.7380, 7.1500, 13.5980

Conversions

Conversions Part 2

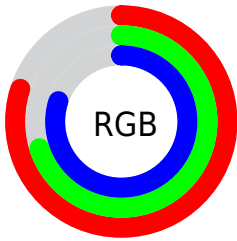
Format	Color
RYB	204, 178, 204
Decimal	13415116
CIELab	75.47, 13.92, -9.70
CIELCh	75, 16.966, 325.122
Yxy	49.0378, 0.3142, 0.2979
Android (android.graphics.Color)	4291605196 (0xFFCCB2CC)
YUV	188.7380, 7.5242, 13.3848
Hunter-Lab	70.0270, 9.2912, -5.0548

Details

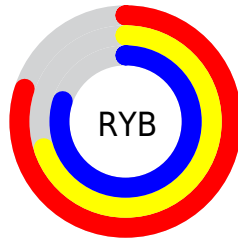
The XYZ color **51.7213, 49.0378, 63.8660** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.9907, 55.8664, 50.3759**, and the grayscale version is **48.1769, 50.6858, 55.1969**.

A 20% lighter version of the original color is **88.7128, 87.3256, 106.7876**, and **25.4163, 23.3533, 32.0222** is the 20% darker color. If you saturate the color by 10%, you get **47.9609, 41.5163, 62.6131**, and if you desaturate by 10%, it is **56.0882, 57.7708, 65.3222**.

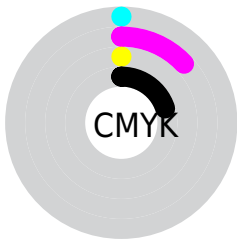
Distribution



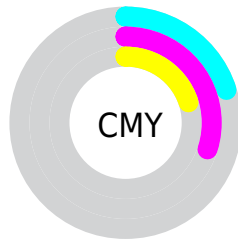
- Red (80%)
- Green (70%)
- Blue (80%)



- Red (80%)
- Yellow (70%)
- Blue (80%)



- Cyan (0%)
- Magenta (13%)
- Yellow (0%)
- Black (20%)




- Cyan (20%)
- Magenta (30%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.7213, 49.0378, 63.8660 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 51.7213, 49.0378, 63.8660 by changing the saturation by 10% instead.


 51.7213, 49.0378,
63.8660

 51.7213, 49.0378,
63.8660


383.7014,
382.8911, 456.8998

 37.0063, 34.6495,
46.0967


 91.8967, 88.7476,
112.0155

 25.3861, 23.3930,
31.9729


118.0880,
114.8378, 143.2328

 16.4952, 14.8840,
21.0761


148.8353,
145.5975, 179.7698

 9.9683, 8.7380,
12.9879

184.5041,
181.4110, 222.0451

 5.4401, 4.5707,
7.2896

225.4598,
222.6627, 270.4772

 2.5451, 1.9976,
3.5627

272.0676,

 0.9181, 0.6061,

269.7371, 325.4847

1.3886

324.6931,
323.0184, 387.4860

■ 0.0000, 0.0000,
0.1328

■ 0.0000, 0.0000,
0.0000

■ 51.7213, 49.0378,
63.8660

■ 51.7213, 49.0378,
63.8660

■ 47.9609, 41.5163,
62.6131

■ 56.0882, 57.7708,
65.3222

■ 44.7762, 35.1468,
61.5515

■ 61.0821, 67.7586,
66.9869

■ 42.1399, 29.8743,
60.6727

■ 66.7280, 79.0504,
68.8689

■ 40.0212, 25.6369,
59.9665

■ 71.5614, 88.7172,
70.4800

38.3861, 22.3667,
59.4214

71.5614, 88.7172,
70.4800

37.1964, 19.9873,
59.0249

71.5614, 88.7172,
70.4801

36.4084, 18.4113,
58.7622

71.5614, 88.7172,
70.4801

35.9694, 17.5334,
58.6158

71.5614, 88.7172,
70.4801

35.8014, 17.1972,
58.5598

71.5614, 88.7172,
70.4801

Harmonies

Analogous

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



49.2104, 49.0378, 70.5645



51.7213, 49.0378, 63.8660



52.8647, 49.0378, 54.8725

Triad

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



51.7213, 49.0378, 63.8660



47.1224, 49.0378, 37.9991



41.3708, 49.0378, 61.0488

Complementary

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



51.7213, 49.0378, 63.8660



47.9907, 55.8664, 50.3759

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.



40.8673, 49.0378, 51.9420



51.7213, 49.0378, 63.8660



44.1009, 49.0378, 39.2624

Square

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



51.7213, 49.0378, 63.8660



50.1349, 49.0378, 40.4682



41.8451, 49.0378, 44.1339



43.2523, 49.0378, 68.8146

Rectangle

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



51.7213, 49.0378, 63.8660



52.6621, 49.0378, 49.0234



41.8451, 49.0378, 44.1339



41.0384, 49.0378, 58.0166

Sweetspot

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



51.7227, 49.0399, 63.8671



91.8819, 93.6639, 107.8440



45.1818, 45.6679, 63.5610



19.5431, 19.8010, 23.0419



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.



51.7227, 49.0399, 63.8671



84.0385, 77.9769, 105.2294



50.2278, 48.4420, 55.9949



11.6876, 11.4038, 14.1555



22.5335, 10.8240, 36.8578



1.1625, 0.5584, 1.9014

Inverse Universe

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



51.7227, 49.0399, 63.8671



84.0385, 77.9769, 105.2294



49.3587, 56.4136, 57.5794



11.6876, 11.4038, 14.1555



22.5335, 10.8240, 36.8578



1.1625, 0.5584, 1.9014

Previews

White Background



This preview shows how the XYZ color 51.7213, 49.0378, 63.8660 looks on a white background.

Color Contrast Check

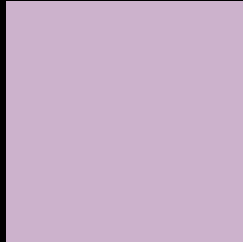
Large Text (above 18pt) WCAG AA × Fail

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 51.7213, 49.0378, 63.8660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

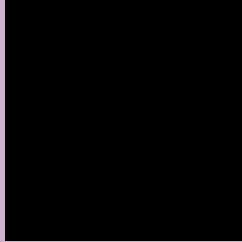
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.7213, 49.0378, 63.8660

Background



This preview shows how black text looks on a background with the XYZ color 51.7213, 49.0378, 63.8660.



This preview shows how white text looks on a background with the XYZ color 51.7213, 49.0378,

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

51.7213, 49.0378, 63.8660

Protanopia

48.2626, 49.3193, 66.6504

Deuteranopia

50.0683, 49.0953, 63.3374



Tritanopia

50.6875, 49.2341, 57.8705

Trichromacy



Original Color

51.7213, 49.0378, 63.8660

Protanomaly

49.4763, 49.0373, 65.8889

Deuteranomaly

50.6539, 49.0964, 63.3067

Tritanomaly

50.9417, 49.0139, 60.2018

Monochromacy



Original Color

51.7213, 49.0378, 63.8660

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.3347, 50.0623, 58.1017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7213, 49.0378, 63.8660 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(204, 178, 204)` looks like.

```
.text, #text, p{  
    color:rgb(204, 178, 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(204, 178, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 178, 204) }
```

Border

The CSS property to change the border of an element to XYZ 51.7213, 49.0378, 63.8660 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(204, 178, 204) }
```


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

```
.border{ border-color:rgb(204, 178, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 178, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 178, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 178, 204);  
box-shadow:4px 4px 4px 4px rgb(204, 178,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7213, 49.0378, 63.8660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 178, 204) }
```

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

```
.background{ background-color: rgb(204,  
178, 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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