

Converting Colors

XYZ(50.0905, 48.3522, 63.8356)

Have a look what the booklet for
XYZ(50.0905, 48.3522, 63.8356)
contains.

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Color

**XYZ(50.3079, 48.6056,
63.8570)**

Conversions

Conversions Part 1

Format	Color
Hex	C6B3CC
RGB	198, 179, 204
RGB Percent	78%, 70%, 80%
CMY	0.2235, 0.2980, 0.2000
CMYK	0.03, 0.12, 0.00, 0.20
HSL	286°, 20%, 75%
HSV	286°, 12%, 80%
XYZ	50.3079, 48.6056, 63.8570
YIQ	187.5310, 3.2990, 11.8030

Conversions

Conversions Part 2

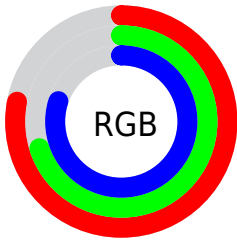
Format	Color
R _Y B	198, 179, 204
Decimal	13022156
CIE Lab	75.21, 11.33, -10.16
CIE LCh	75, 15.216, 318.114
Yxy	48.6056, 0.3091, 0.2986
Android (android.graphics.Color)	4291212236 (0xFFC6B3CC)
YUV	187.5310, 8.1192, 9.1813
Hunter-Lab	69.7177, 6.7986, -5.5035




Details

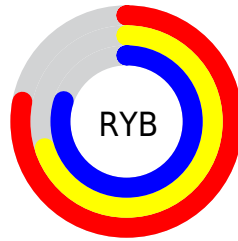
The XYZ color **50.3079, 48.6056, 63.8570** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.7388, 56.7559, 50.9837**, and the grayscale version is **47.4895, 49.9626, 54.4093**.

A 20% lighter version of the original color is **88.9983, 87.8967, 106.8828**, and **24.4675, 23.0530, 32.0143** is the 20% darker color. If you saturate the color by 10%, you get **45.2486, 40.3714, 62.5350**, and if you desaturate by 10%, it is **56.0167, 58.0752, 65.3847**.

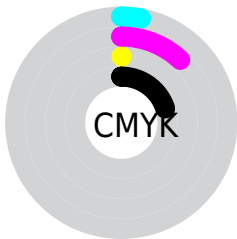
Distribution







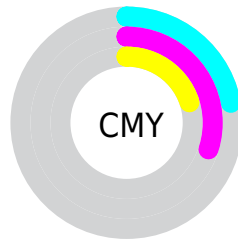
-  Red (78%)
-  Green (70%)
-  Blue (80%)






-  Red (78%)
-  Yellow (70%)
-  Blue (80%)



-  Cyan (3%)
-  Magenta (12%)
-  Yellow (0%)
-  Black (20%)



-  Cyan (22%)
-  Magenta (30%)
-  Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3079, 48.6056, 63.8570 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 50.3079, 48.6056, 63.8570 by changing the saturation by 10% instead.

■ 50.3079, 48.6056,
63.8570

■ 50.3079, 48.6056,
63.8570

378.3009,
381.1876, 456.8663

■ 35.8769, 34.3067,
46.0894

■ 89.8200, 88.1054,
112.0025

■ 24.5088, 23.1293,
31.9672

115.6318,
114.0751, 143.2174

■ 15.8383, 14.6890,
21.0718

145.9680,
144.7039, 179.7519

■ 9.4999, 8.6014,
12.9848

181.1938,
180.3761, 222.0245

■ 5.1284, 4.4821,
7.2875

221.6746,
221.4762, 270.4537

■ 2.3583, 1.9468,
3.5614

267.7759,

■ 0.8242, 0.5763,

268.3886, 325.4580

1.3879

319.8628,
321.4976, 387.4560

■ 0.0000, 0.0000,
0.1323

■ 0.0000, 0.0000,
0.0000

■ 50.3079, 48.6056,
63.8570

■ 50.3079, 48.6056,
63.8570

■ 45.2486, 40.3714,
62.5350

■ 56.0167, 58.0752,
65.3847

■ 40.8076, 33.3133,
61.4067

■ 62.3958, 68.8237,
67.1231

■ 36.9575, 27.3761,
60.4637

■ 69.4705, 80.9005,
69.0813

■ 33.6671, 22.4982,
59.6956

■ 75.4492, 90.7215,
70.6618

■ 30.9022, 18.6116,
59.0911

■ 76.9316, 91.4857,
70.7312

■ 28.6244, 15.6404,
58.6376

■ 78.4576, 92.2723,
70.8026

■ 26.7899, 13.4973,
58.3207

■ 80.0275, 93.0817,
70.8761

■ 25.3462, 12.0781,
58.1228

■ 81.6417, 93.9138,
70.9516

■ 24.4241, 11.3320,
58.0274

■ 83.3006, 94.7690,
71.0293

Harmonies

Analogous

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



47.8861, 48.6056, 68.9086



50.3079, 48.6056, 63.8570



51.6487, 48.6056, 56.1508

Triad

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



50.3079, 48.6056, 63.8570



47.3118, 48.6056, 39.2684



41.2850, 48.6056, 57.8449

Complementary

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



50.3079, 48.6056, 63.8570



49.7388, 56.7559, 50.9837

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.



41.1452, 48.6056, 49.8218



50.3079, 48.6056, 63.8570



44.5503, 48.6056, 39.6235

Square

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



50.3079, 48.6056, 63.8570



49.8729, 48.6056, 42.2901



42.3186, 48.6056, 43.3147



42.7085, 48.6056, 65.2042

Rectangle

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



50.3079, 48.6056, 63.8570



51.7148, 48.6056, 50.7843



42.3186, 48.6056, 43.3147



41.0885, 48.6056, 55.1214

Sweetspot

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



50.3093, 48.6077, 63.8581



90.9870, 93.2025, 107.8021



46.8928, 48.7481, 64.0652



19.3158, 19.6839, 23.0313



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.



50.3093, 48.6077, 63.8581



80.7412, 76.2771, 105.0752



51.1876, 49.1453, 60.0643



11.4142, 11.2628, 14.1427



15.4594, 7.1772, 36.5268



0.8626, 0.4038, 1.8874

Inverse Universe

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



49.7805, 48.5825, 52.6548



79.7064, 76.2441, 82.4171



48.9683, 56.2840, 54.3225



11.3209, 11.2571, 12.2243



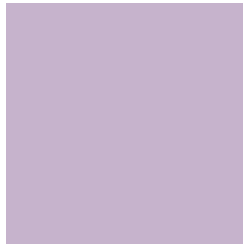
16.0528, 8.2317, 2.7309



0.8589, 0.4370, 0.3027

Previews

White Background



This preview shows how the XYZ color 50.3079, 48.6056, 63.8570 looks on a white background.

Color Contrast Check

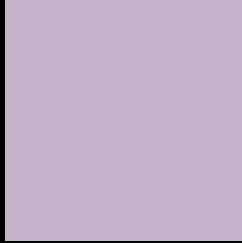
Large Text (above 18pt) WCAG AA × Fail

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 50.3079, 48.6056, 63.8570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

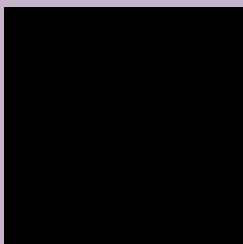
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.3079, 48.6056, 63.8570

Background



This preview shows how black text looks on a background with the XYZ color 50.3079, 48.6056, 63.8570.



This preview shows how white text looks on a background with the XYZ color 50.3079, 48.6056,

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

50.3079, 48.6056, 63.8570

Protanopia

47.6944, 48.7311, 65.9238

Deuteranopia

49.7260, 48.6043, 63.8875



Tritanopia

49.4002, 48.8582, 58.4567

Trichromacy



Original Color

50.3079, 48.6056, 63.8570

Protanomaly

48.6076, 48.6035, 65.2120

Deuteranomaly

49.9853, 48.7379, 63.8996

Tritanomaly

49.5403, 48.5901, 60.1938

Monochromacy



Original Color

50.3079, 48.6056, 63.8570

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.8248, 49.7994, 58.0778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3079, 48.6056, 63.8570 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(198, 179, 204)` looks like.

```
.text, #text, p{  
    color:rgb(198, 179, 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(198, 179, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 179, 204) }
```

Border

The CSS property to change the border of an element to XYZ 50.3079, 48.6056, 63.8570 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(198, 179, 204) }
```


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

```
.border{ border-color:rgb(198, 179, 204) }
```

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

Here you see how a box with a 4 pixel rgb(198, 179, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 179, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 179, 204);  
box-shadow:4px 4px 4px 4px rgb(198, 179,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3079, 48.6056, 63.8570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 179, 204) }
```

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

```
.background{ background-color: rgb(198,  
179, 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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