

Converting Colors

XYZ(49.8566, 48.4460, 60.7011)

Have a look what the booklet for
XYZ(49.8566, 48.4460, 60.7011)
contains.

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Color

**XYZ(49.9821, 48.5058,
60.7611)**

Conversions

Conversions Part 1

Format	Color
Hex	C7B3C7
RGB	199, 179, 199
RGB Percent	78%, 70%, 78%
CMY	0.2196, 0.2980, 0.2196
CMYK	0.00, 0.10, 0.00, 0.22
HSL	300°, 15%, 74%
HSV	300°, 10%, 78%
XYZ	49.9821, 48.5058, 60.7611
YIQ	187.2600, 5.5000, 10.4600

Conversions

Conversions Part 2

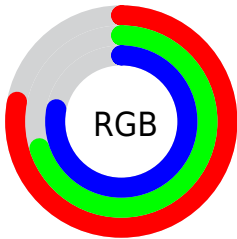
Format	Color
R _Y B	199, 179, 199
Decimal	13087687
CIE Lab	75.14, 10.72, -7.52
CIE LCh	75, 13.094, 324.970
Yxy	48.5058, 0.3139, 0.3046
Android (android.graphics.Color)	4291277767 (0xFFC7B3C7)
YUV	187.2600, 5.7878, 10.2960
Hunter-Lab	69.6461, 6.2213, -2.9739

Details

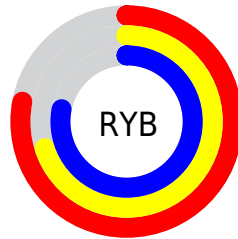
The XYZ color **49.9821, 48.5058, 60.7611** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.1524, 53.6866, 50.5277**, and the grayscale version is **47.3482, 49.8140, 54.2474**.

A 20% lighter version of the original color is **88.9983, 87.8967, 106.8828**, and **24.2487, 22.9858, 29.9467** is the 20% darker color. If you saturate the color by 10%, you get **46.2786, 41.0981, 59.5271**, and if you desaturate by 10%, it is **54.2640, 57.0689, 62.1891**.

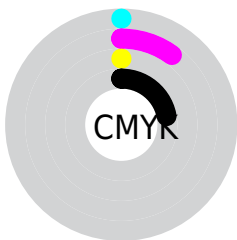
Distribution



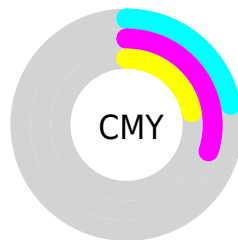
- Red (78%)
- Green (70%)
- Blue (78%)



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



- Cyan (0%)
- Magenta (10%)
- Yellow (0%)
- Black (22%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9821, 48.5058, 60.7611 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 49.9821, 48.5058, 60.7611 by changing the saturation by 10% instead.

■ 49.9821, 48.5058,
60.7611

■ 49.9821, 48.5058,
60.7611

377.0491,
380.7935, 445.2798

■ 35.6169, 34.2276,
43.6031

■ 89.3403, 87.9570,
107.4871

■ 24.3072, 23.0685,
30.0237

115.0641,
113.8988, 137.8922

■ 15.6876, 14.6441,
19.6044

145.3048,
144.4973, 173.5500

■ 9.3928, 8.5700,
11.9266

180.4277,
180.1369, 214.8792

■ 5.0574, 4.4618,
6.5718

220.7982,
221.2018, 262.2982

■ 2.3161, 1.9351,
3.1214

266.7817,

■ 0.8029, 0.5693,

268.0767, 316.2256

1.1570

318.7436,
321.1458, 377.0800

■ 0.0000, 0.0000,
0.0000

■ 49.9821, 48.5058,
60.7611

■ 49.9821, 48.5058,
60.7611

■ 46.2786, 41.0981,
59.5271

■ 54.2640, 57.0689,
62.1891

■ 43.1247, 34.7903,
58.4757

■ 59.1432, 66.8271,
63.8155

■ 40.4955, 29.5320,
57.5993

■ 64.6427, 77.8263,
65.6488

■ 38.3627, 25.2663,
56.8882

■ 69.6226, 87.7859,
67.3088

■ 36.6949, 21.9308,
56.3322

■ 69.6226, 87.7859,
67.3089

35.4576, 19.4562,
55.9197

69.6226, 87.7859,
67.3090

34.6112, 17.7635,
55.6375

69.6226, 87.7859,
67.3091

34.1091, 16.7592,
55.4700

69.6226, 87.7859,
67.3092

33.8624, 16.2658,
55.3877

69.6227, 87.7859,
67.3093

Harmonies

Analogous

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



48.0769, 48.5058, 65.7098



49.9821, 48.5058, 60.7611



50.8496, 48.5058, 53.9806

Triad

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



49.9821, 48.5058, 60.7611



46.5087, 48.5058, 40.7244



42.0493, 48.5058, 58.5862

Complementary

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



49.9821, 48.5058, 60.7611



47.1524, 53.6866, 50.5277

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.



41.6619, 48.5058, 51.6654



49.9821, 48.5058, 60.7611



44.1845, 48.5058, 41.7275

Square

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



49.9821, 48.5058, 60.7611



48.8004, 48.5058, 42.7246



42.4306, 48.5058, 45.5930



43.5075, 48.5058, 64.3798

Rectangle

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



49.9821, 48.5058, 60.7611



50.7017, 48.5058, 49.4771



42.4306, 48.5058, 45.5930



41.7917, 48.5058, 56.2989

Sweetspot

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



49.9835, 48.5079, 60.7622



92.6579, 95.2158, 108.1026



45.0214, 45.9498, 60.5300



19.6992, 20.1134, 23.0939



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.



49.9835, 48.5079, 60.7622



86.0533, 82.0066, 105.9009



48.8602, 48.0586, 54.8468



11.0832, 10.8166, 13.4211



21.7739, 10.4591, 35.6150



1.0310, 0.4952, 1.6864

Inverse Universe

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



49.9835, 48.5079, 60.7622



86.0533, 82.0066, 105.9009



48.2008, 54.1060, 56.0488



11.0832, 10.8166, 13.4211



21.7739, 10.4591, 35.6150



1.0310, 0.4952, 1.6864

Previews

White Background



This preview shows how the XYZ color 49.9821, 48.5058, 60.7611 looks on a white background.

Color Contrast Check

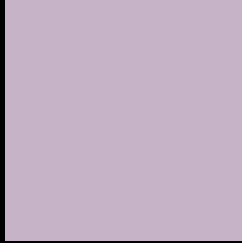
Large Text (above 18pt) WCAG AA × Fail

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 49.9821, 48.5058, 60.7611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

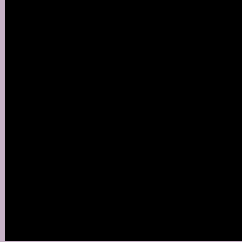
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9821, 48.5058, 60.7611

Background



This preview shows how black text looks on a background with the XYZ color 49.9821, 48.5058, 60.7611.



This preview shows how white text looks on a background with the XYZ color 49.9821, 48.5058,

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

49.9821, 48.5058, 60.7611

Protanopia

47.3296, 48.6125, 62.7657

Deuteranopia

49.6560, 48.6364, 60.8034



Tritanopia

49.3476, 48.5433, 57.8078

Trichromacy



Original Color

49.9821, 48.5058, 60.7611

Protanomaly

48.2568, 48.4918, 62.0748

Deuteranomaly

49.9188, 48.7718, 60.8157

Tritanomaly

49.5738, 48.6338, 58.9990

Monochromacy



Original Color

49.9821, 48.5058, 60.7611

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

48.0303, 49.1189, 56.2396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9821, 48.5058, 60.7611 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(199, 179, 199)` looks like.

```
.text, #text, p{  
    color:rgb(199, 179, 199)  
}
```

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(199, 179, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 179, 199) }
```

Border

The CSS property to change the border of an element to XYZ 49.9821, 48.5058, 60.7611 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(199, 179, 199) }
```


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

```
.border{ border-color:rgb(199, 179, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 179, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 179, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 179, 199);  
box-shadow:4px 4px 4px 4px rgb(199, 179,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9821, 48.5058, 60.7611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 179, 199) }
```

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

```
.background{ background-color: rgb(199,  
179, 199) }
```

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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