

Converting Colors

XYZ(46.7718, 42.6388, 62.2366)

Have a look what the booklet for
XYZ(46.7718, 42.6388, 62.2366)
contains.

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Color

**XYZ(46.8199, 42.5985,
62.2546)**

Conversions

Conversions Part 1

Format	Color
Hex	C4A4CB
RGB	196, 164, 203
RGB Percent	77%, 64%, 80%
CMY	0.2314, 0.3568, 0.2039
CMYK	0.03, 0.19, 0.00, 0.20
HSL	289°, 27%, 72%
HSV	289°, 19%, 80%
XYZ	46.8199, 42.5985, 62.2546
YIQ	178.0140, 6.5530, 18.9130

Conversions

Conversions Part 2

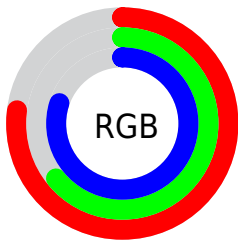
Format	Color
RYB	196, 164, 203
Decimal	12887243
CIELab	71.28, 18.67, -15.51
CIELCh	71, 24.272, 320.277
Yxy	42.5985, 0.3087, 0.2809
Android (android.graphics.Color)	4291077323 (0xFFC4A4CB)
YUV	178.0140, 12.3181, 15.7737
Hunter-Lab	65.2675, 13.8295, -10.8657

Details

The XYZ color **46.8199, 42.5985, 62.2546** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.8529, 54.0513, 43.1930**, and the grayscale version is **42.2599, 44.4607, 48.4177**.

A 20% lighter version of the original color is **83.8895, 78.7657, 105.3896**, and **22.3743, 19.5091, 31.0201** is the 20% darker color. If you saturate the color by 10%, you get **42.5371, 35.4221, 61.0958**, and if you desaturate by 10%, it is **51.7082, 50.9501, 63.6096**.

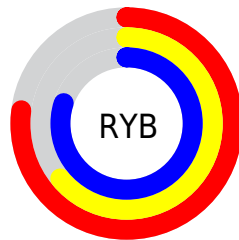
Distribution



Red (77%)

Green (64%)

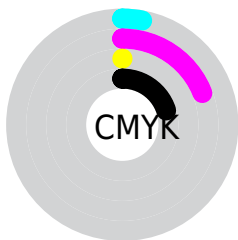
Blue (80%)



Red (77%)

Yellow (64%)

Blue (80%)

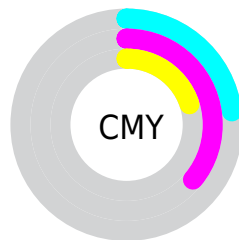


Cyan (3%)

Magenta (19%)

Yellow (0%)

Black (20%)



Cyan (23%)


Magenta (36%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8199, 42.5985, 62.2546 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 46.8199, 42.5985, 62.2546 by changing the saturation by 10% instead.


 46.8199, 42.5985,
62.2546


 46.8199, 42.5985,
62.2546

364.7561,
356.9580, 450.8924

 33.1007, 29.5702,
44.8013


 84.6651, 79.1046,
109.6686

 22.3632, 19.5126,
30.9592


 109.5218,
103.3513, 140.4664

 14.2421, 12.0413,
20.3096


138.8216,
132.1061, 176.5494

 8.3721, 6.7718,
12.4340

172.9300,
165.7537, 218.3363

 4.3877, 3.3198,
6.9138

212.2123,
204.6782, 266.2455

 1.9237, 1.3009,
3.3306

257.0339,

 0.5906, 0.1419,

249.2642, 320.6955

1.2658

307.7600,
299.8960, 382.1050

■ 0.0000, 0.0000,
0.0335

■ 0.0000, 0.0000,
0.0000

■ 46.8199, 42.5985,
62.2546

■ 46.8199, 42.5985,
62.2546

■ 42.5371, 35.4221,
61.0958

■ 51.7082, 50.9501,
63.6096

■ 38.8282, 29.3605,
60.1213

■ 57.2239, 60.5227,
65.1666

■ 35.6647, 24.3561,
59.3220

■ 63.3924, 71.3665,
66.9346

■ 33.0141, 20.3438,
58.6873

■ 70.2368, 83.5272,
68.9211

■ 30.8400, 17.2514,
58.2050

■ 74.3355, 90.1612,
69.9855

■ 29.1013, 14.9969,
57.8615

■ 75.4124, 90.7163,
70.0359

■ 27.7495, 13.4833,
57.6406

■ 76.5133, 91.2838,
70.0874

■ 26.7020, 12.5460,
57.5148

■ 77.6382, 91.8638,
70.1401

■ 26.6239, 12.4799,
57.5062

■ 78.7874, 92.4562,
70.1939

Harmonies

Analogous

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



43.2655, 42.5985, 70.7803



46.8199, 42.5985, 62.2546



48.7140, 42.5985, 50.2772

Triad

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



46.8199, 42.5985, 62.2546



41.8266, 42.5985, 27.5922



33.5737, 42.5985, 54.6030

Complementary

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



46.8199, 42.5985, 62.2546



44.8529, 54.0513, 43.1930

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.



33.2455, 42.5985, 42.6944



46.8199, 42.5985, 62.2546



37.8331, 42.5985, 28.3548

Square

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



46.8199, 42.5985, 62.2546



45.7060, 42.5985, 31.1737



34.7555, 42.5985, 33.4673



35.6841, 42.5985, 65.8741

Rectangle

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



46.8199, 42.5985, 62.2546



48.6991, 42.5985, 42.4928



34.7555, 42.5985, 33.4673



33.2570, 42.5985, 50.5026

Sweetspot

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



46.8212, 42.6003, 62.2555



89.3587, 90.1065, 107.2903



40.6824, 41.3888, 62.3452



18.9989, 19.0660, 22.9287



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.



46.8212, 42.6003, 62.2555



75.3414, 66.1757, 103.4100



47.2709, 42.9955, 54.8973



11.4824, 11.2980, 14.1459



17.0131, 7.9781, 36.5995



0.9306, 0.4389, 1.8906

Inverse Universe

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



45.2563, 42.1896, 44.2883



72.3065, 65.3969, 67.7648



44.5385, 53.7540, 49.2860



11.2932, 11.2460, 12.0785



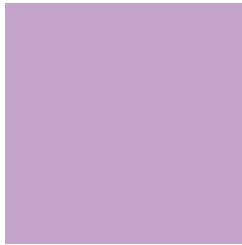
15.9047, 8.1725, 1.9509



0.8462, 0.4319, 0.2359

Previews

White Background



This preview shows how the XYZ color 46.8199, 42.5985, 62.2546 looks on a white background.

Color Contrast Check

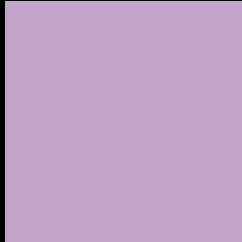
Large Text (above 18pt) WCAG AA × Fail

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 46.8199, 42.5985, 62.2546 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

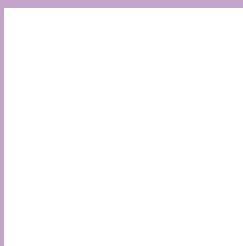
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.8199, 42.5985, 62.2546

Background



This preview shows how black text looks on a background with the XYZ color 46.8199, 42.5985, 62.2546.



This preview shows how white text looks on a background with the XYZ color 46.8199, 42.5985,

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

46.8199, 42.5985, 62.2546

Protanopia

42.3885, 42.7061, 66.3306

Deuteranopia

43.6258, 42.5974, 61.7999



Tritanopia

44.3354, 42.6789, 49.6172

Trichromacy



Original Color

46.8199, 42.5985, 62.2546

Protanomaly

43.9973, 42.7194, 64.9582

Deuteranomaly

44.6709, 42.5838, 61.7422

Tritanomaly

45.2522, 42.7809, 54.0166

Monochromacy



Original Color

46.8199, 42.5985, 62.2546

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

43.9208, 43.7893, 53.1510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8199, 42.5985, 62.2546 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(196, 164, 203)` looks like.

```
.text, #text, p{  
    color:rgb(196, 164, 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(196, 164, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 164, 203) }
```

Border

The CSS property to change the border of an element to XYZ 46.8199, 42.5985, 62.2546 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(196, 164, 203) }
```


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

```
.border{ border-color:rgb(196, 164, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 164, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 164, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 164, 203);  
box-shadow:4px 4px 4px 4px rgb(196, 164,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8199, 42.5985, 62.2546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 164, 203) }
```

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

```
.background{ background-color: rgb(196,  
164, 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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