

Converting Colors

XYZ(38.5712, 29.6545, 46.9340)

Have a look what the booklet for
XYZ(38.5712, 29.6545, 46.9340)
contains.

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Color

**XYZ(38.4718, 29.5809,
46.8620)**

Conversions

Conversions Part 1

Format	Color
Hex	C57CB4
RGB	197, 124, 180
RGB Percent	77%, 49%, 71%
CMY	0.2274, 0.5137, 0.2941
CMYK	0.00, 0.37, 0.09, 0.23
HSL	314°, 39%, 63%
HSV	314°, 37%, 77%
XYZ	38.4718, 29.5809, 46.8620
YIQ	152.2110, 25.5320, 32.8920

Conversions

Conversions Part 2

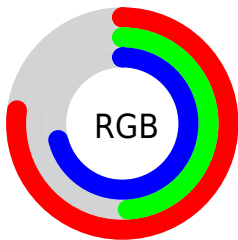
Format	Color
R _{YB}	197, 124, 180
Decimal	12942516
CIE _{Lab}	61.29, 36.71, -17.74
CIE _{LCh}	61, 40.773, 334.205
Yxy	29.5809, 0.3348, 0.2574
Android (android.graphics.Color)	4291132596 (0xFFC57CB4)
YUV	152.2110, 13.7000, 39.2800
Hunter-Lab	54.3883, 31.0831, -13.0135

Details

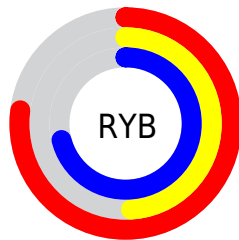
The XYZ color **38.4718, 29.5809, 46.8620** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.0874, 46.1416, 32.3635**, and the grayscale version is **29.8719, 31.4275, 34.2246**.

A 20% lighter version of the original color is **72.3007, 59.1569, 86.9646**, and **17.3686, 12.0482, 21.4888** is the 20% darker color. If you saturate the color by 10%, you get **35.7857, 24.9439, 43.6989**, and if you desaturate by 10%, it is **41.6684, 35.2131, 50.2723**.

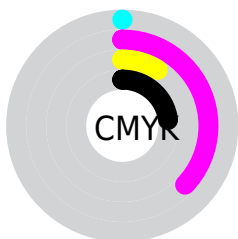
Distribution



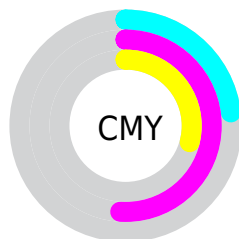
- Red (77%)
- Green (49%)
- Blue (71%)



- Red (77%)
- Yellow (49%)
- Blue (71%)



- Cyan (0%)
- Magenta (37%)
- Yellow (9%)
- Black (23%)




- Cyan (23%)
- Magenta (51%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4718, 29.5809, 46.8620 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 38.4718, 29.5809, 46.8620 by changing the saturation by 10% instead.


 38.4718, 29.5809,
46.8620


 38.4718, 29.5809,
46.8620

330.8855,
299.9460, 390.6412


 26.5279, 19.5207,
32.5730


 72.1300, 58.9988,
86.8554

 17.3538, 12.0471,
21.5311

 94.5750, 79.1252,
113.3969

 10.5839, 6.7758,
13.3178


 121.2511,
103.3759, 144.8597

 5.8530, 3.3223,
7.5144

152.5236,
132.1351, 181.6622

 2.7957, 1.3022,
3.7026

188.7580,
165.7874, 224.2231

 1.0467, 0.1429,
1.4636

230.3195,

 0.0000, 0.0000,

204.7170, 272.9609

0.1906

277.5736,
249.3084, 328.2941

■ 0.0000, 0.0000,
0.0000

■ 38.4718, 29.5809,
46.8620

■ 38.4718, 29.5809,
46.8620

■ 35.7857, 24.9439,
43.6989

■ 41.6684, 35.2131,
50.2723

■ 33.5776, 21.2389,
40.7704

■ 45.3999, 41.8906,
53.9376

■ 31.8157, 18.4019,
38.0655


■ 49.6925, 49.6652,
57.8677


■ 30.4628, 16.3590,
35.5710


■ 54.5699, 58.5838,
62.0712


■ 29.4757, 15.0239,
33.2719


■ 60.0542, 68.6907,
66.5562


 28.7955, 14.2790,
31.1477

 66.1667, 80.0278,
71.3304

 28.6219, 14.1087,
30.5445

 70.6845, 88.1498,
75.6536

 71.2721, 88.3848,
78.7478

 71.8763, 88.6265,
81.9294

Harmonies

Analogous

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



34.3273, 29.5809, 63.3674



38.4718, 29.5809, 46.8620



39.7185, 29.5809, 30.0889

Triad

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



38.4718, 29.5809, 46.8620



27.3655, 29.5809, 10.8060



20.4134, 29.5809, 51.8507

Complementary

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



38.4718, 29.5809, 46.8620



33.0874, 46.1416, 32.3635

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.



19.0261, 29.5809, 34.4255



38.4718, 29.5809, 46.8620



22.7028, 29.5809, 13.4234

Square

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



38.4718, 29.5809, 46.8620



32.8512, 29.5809, 12.2498



19.8080, 29.5809, 20.9807



23.8588, 29.5809, 66.8327

Rectangle

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



38.4718, 29.5809, 46.8620



38.6211, 29.5809, 21.5441



19.8080, 29.5809, 20.9807



19.7123, 29.5809, 45.9142

Sweetspot

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



38.4727, 29.5822, 46.8626



85.7113, 82.9772, 100.6863



28.0714, 24.0076, 55.9782



18.1187, 17.3492, 21.3433



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.



38.4727, 29.5822, 46.8626



65.1571, 46.4948, 79.5736



35.3211, 28.3216, 30.2667



10.9734, 10.7727, 12.8430



18.8592, 9.2932, 20.2663



0.9195, 0.4506, 1.0990

Inverse Universe

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



38.4727, 29.5822, 46.8626



65.1571, 46.4948, 79.5736



36.1474, 47.3655, 48.4771



10.9734, 10.7727, 12.8430



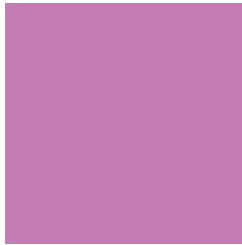
18.8592, 9.2932, 20.2663



0.9195, 0.4506, 1.0990

Previews

White Background



This preview shows how the XYZ color 38.4718, 29.5809, 46.8620 looks on a white background.

Color Contrast Check

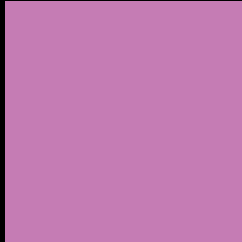
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.4718, 29.5809, 46.8620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

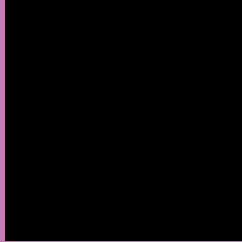
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.4718, 29.5809, 46.8620

Background



This preview shows how black text looks on a background with the XYZ color 38.4718, 29.5809, 46.8620.



This preview shows how white text looks on a background with the XYZ color 38.4718, 29.5809,

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

38.4718, 29.5809, 46.8620

Protanopia

30.3892, 30.0039, 56.4142

Deuteranopia

30.3563, 29.7749, 45.2215



Tritanopia

34.8720, 29.6620, 29.4786

Trichromacy



Original Color

38.4718, 29.5809, 46.8620

Protanomaly

32.6274, 29.4520, 52.6804

Deuteranomaly

32.6074, 29.1726, 45.5073

Tritanomaly

36.0991, 29.5701, 35.2575

Monochromacy



Original Color

38.4718, 29.5809, 46.8620

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

32.3430, 30.2795, 38.3223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4718, 29.5809, 46.8620 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(197, 124, 180)` looks like.

```
.text, #text, p{  
    color:rgb(197, 124, 180)  
}
```

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(197, 124, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 124, 180) }
```

Border

The CSS property to change the border of an element to XYZ 38.4718, 29.5809, 46.8620 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(197, 124, 180) }
```


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

```
.border{ border-color:rgb(197, 124, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 124, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 124, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 124, 180);  
box-shadow:4px 4px 4px 4px rgb(197, 124,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4718, 29.5809, 46.8620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 124, 180) }
```

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

```
.background{ background-color: rgb(197,  
124, 180) }
```

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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