

Converting Colors

XYZ(38.4881, 29.1282, 49.9804)

Have a look what the booklet for
XYZ(38.4881, 29.1282, 49.9804)
contains.

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Color

**XYZ(38.5874, 29.2000,
50.0568)**

Conversions

Conversions Part 1

Format	Color
Hex	C47ABA
RGB	196, 122, 186
RGB Percent	77%, 48%, 73%
CMY	0.2314, 0.5216, 0.2706
CMYK	0.00, 0.38, 0.05, 0.23
HSL	308°, 39%, 62%
HSV	308°, 38%, 77%
XYZ	38.5874, 29.2000, 50.0568
YIQ	151.4220, 23.5600, 35.5920

Conversions

Conversions Part 2

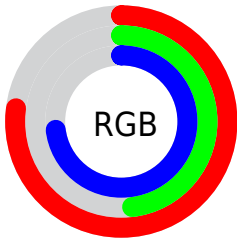
Format	Color
R _Y B	196, 122, 186
Decimal	12876474
CIE Lab	60.96, 38.52, -21.67
CIE LCh	61, 44.195, 330.634
Yxy	29.2000, 0.3274, 0.2478
Android (android.graphics.Color)	4291066554 (0xFFC47ABA)
YUV	151.4220, 17.0470, 39.0949
Hunter-Lab	54.0370, 32.9006, -17.0969

Details

The XYZ color **38.5874, 29.2000, 50.0568** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **31.9320, 45.2843, 28.8893**, and the grayscale version is **29.5191, 31.0564, 33.8205**.

A 20% lighter version of the original color is **72.4254, 58.5323, 91.4850**, and **17.4714, 11.8627, 23.5592** is the 20% darker color. If you saturate the color by 10%, you get **36.1404, 24.7519, 47.8648**, and if you desaturate by 10%, it is **41.5268, 34.6234, 52.4392**.

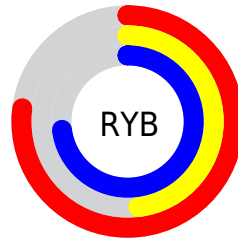
Distribution



Red (77%)

Green (48%)

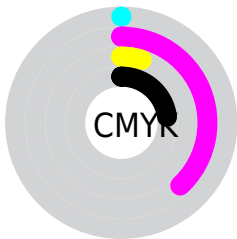
Blue (73%)



Red (77%)

Yellow (48%)

Blue (73%)

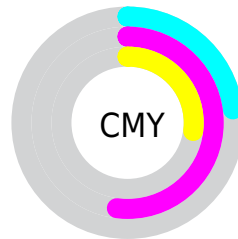


Cyan (0%)

Magenta (38%)

Yellow (5%)

Black (23%)



Cyan (23%)


Magenta (52%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5874, 29.2000, 50.0568 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 38.5874, 29.2000, 50.0568 by changing the saturation by 10% instead.


 38.5874, 29.2000,
50.0568


 38.5874, 29.2000,
50.0568


331.3705,
298.1574, 403.6295


 26.6182, 19.2322,
35.0870


 72.3057, 58.3947,
91.6562

 17.4218, 11.8382,
23.4458


 94.7855, 78.3904,
119.1229

 10.6328, 6.6336,
14.7147


 121.4995,
102.4974, 151.5924

 5.8860, 3.2340,
8.4750

152.8131,
131.1003, 189.4831

 2.8159, 1.2551,
4.3083

189.0917,
164.5833, 233.2136

 1.0572, 0.1060,
1.7959

230.7005,

 0.0000, 0.0000,

203.3309, 283.2025

0.4253

278.0050,
247.7275, 339.8683

■ 0.0000, 0.0000,
0.0000

■ 38.5874, 29.2000,
50.0568

■ 38.5874, 29.2000,
50.0568

■ 36.1404, 24.7519,
47.8648

■ 41.5268, 34.6234,
52.4392

■ 34.1536, 21.2165,
45.8516

■ 44.9828, 41.0720,
55.0195

■ 32.5954, 18.5301,
44.0068

■ 48.9811, 48.5971,
57.8065

■ 31.4290, 16.6190,
42.3178

■ 53.5452, 57.2451,
60.8083

■ 30.6112, 15.3970,
40.7703

■ 58.6970, 67.0599,
64.0323

■ 30.0789, 14.7379,
39.3430

■ 64.4573, 78.0831,
67.4855

■ 29.9749, 14.6198,
39.0309

■ 69.4895, 87.6416,
70.7227

■ 69.8111, 87.7703,
72.4163

■ 70.1382, 87.9011,
74.1385

Harmonies

Analogous

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



33.7986, 29.2000, 67.7129



38.5874, 29.2000, 50.0568



40.3896, 29.2000, 31.4437

Triad

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



38.5874, 29.2000, 50.0568



27.6312, 29.2000, 9.4319



19.2612, 29.2000, 50.8851

Complementary

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



38.5874, 29.2000, 50.0568



31.9320, 45.2843, 28.8893

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.



18.0734, 29.2000, 32.1465



38.5874, 29.2000, 50.0568



22.4763, 29.2000, 11.5437

Square

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



38.5874, 29.2000, 50.0568



33.5568, 29.2000, 11.3658



19.1651, 29.2000, 18.6204



22.6615, 29.2000, 68.2962

Rectangle

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



38.5874, 29.2000, 50.0568



39.4835, 29.2000, 21.8610



19.1651, 29.2000, 18.6204



18.6128, 29.2000, 44.3548

Sweetspot

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



38.5883, 29.2013, 50.0574



86.1410, 83.1491, 102.9490



26.4196, 22.8009, 55.2337



18.2216, 17.3904, 21.8855



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.



38.5883, 29.2013, 50.0574



66.3075, 46.3504, 87.4948



35.1611, 27.8304, 32.0096



10.4368, 10.2233, 12.3909



19.2832, 9.4031, 25.2014



0.8497, 0.4129, 1.1760

Inverse Universe

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



38.5883, 29.2013, 50.0574



66.3075, 46.3504, 87.4948



34.9160, 46.4779, 44.6025



10.4368, 10.2233, 12.3909



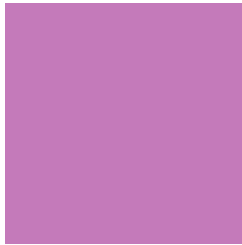
19.2832, 9.4031, 25.2014



0.8497, 0.4129, 1.1760

Previews

White Background



This preview shows how the XYZ color 38.5874, 29.2000, 50.0568 looks on a white background.

Color Contrast Check

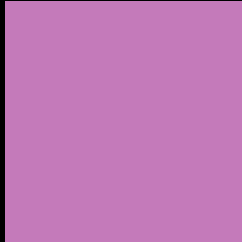
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.5874, 29.2000, 50.0568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

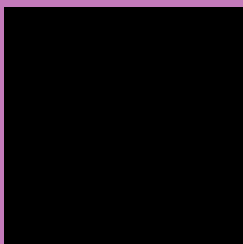
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.5874, 29.2000, 50.0568

Background



This preview shows how black text looks on a background with the XYZ color 38.5874, 29.2000, 50.0568.



This preview shows how white text looks on a background with the XYZ color 38.5874, 29.2000,

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

38.5874, 29.2000, 50.0568

Protanopia

30.1108, 29.3084, 60.5700

Deuteranopia

29.9184, 29.2532, 48.3255



Tritanopia

34.1592, 29.1028, 29.0163

Trichromacy



Original Color

38.5874, 29.2000, 50.0568

Protanomaly

32.3501, 28.7926, 56.6758

Deuteranomaly

32.4557, 28.8137, 48.6508

Tritanomaly

35.5432, 29.0791, 35.6378

Monochromacy



Original Color

38.5874, 29.2000, 50.0568

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

32.0153, 29.6520, 39.1580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5874, 29.2000, 50.0568 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, 122, 186)` looks like.

```
.text, #text, p{  
    color:rgb(196, 122, 186)  
}
```

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, 122, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 122, 186) }
```

Border

The CSS property to change the border of an element to XYZ 38.5874, 29.2000, 50.0568 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, 122, 186) }
```


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

```
.border{ border-color:rgb(196, 122, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 122, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 122, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 122, 186);  
box-shadow:4px 4px 4px 4px rgb(196, 122,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5874, 29.2000, 50.0568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 122, 186) }
```

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

```
.background{ background-color: rgb(196,  
122, 186) }
```

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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