

Converting Colors

XYZ(38.8227, 26.3338, 46.2617)

Have a look what the booklet for
XYZ(38.8227, 26.3338, 46.2617)
contains.

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Color

**XYZ(38.8206, 26.2612,
46.2029)**

Conversions

Conversions Part 1

Format	Color
Hex	CF67B4
RGB	207, 103, 180
RGB Percent	81%, 40%, 71%
CMY	0.1882, 0.5961, 0.2941
CMYK	0.00, 0.50, 0.13, 0.19
HSL	316°, 52%, 61%
HSV	316°, 50%, 81%
XYZ	38.8206, 26.2612, 46.2029
YIQ	142.8740, 37.2670, 45.9950

Conversions

Conversions Part 2

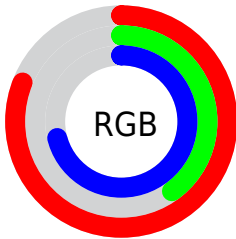
Format	Color
R _Y B	207, 103, 180
Decimal	13592500
CIE Lab	58.28, 50.78, -22.21
CIE LCh	58, 55.431, 336.374
Yxy	26.2612, 0.3488, 0.2360
Android (android.graphics.Color)	4291782580 (0xFFCF67B4)
YUV	142.8740, 18.3031, 56.2385
Hunter-Lab	51.2457, 45.5408, -17.5836

Details

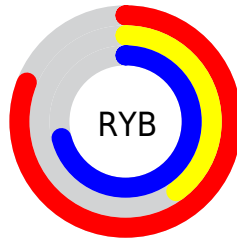
The XYZ color **38.8206, 26.2612, 46.2029** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **31.9368, 49.1218, 28.9193**, and the grayscale version is **25.9780, 27.3309, 29.7634**.

A 20% lighter version of the original color is **68.4373, 51.4301, 85.6768**, and **17.5068, 10.2130, 21.1273** is the 20% darker color. If you saturate the color by 10%, you get **36.4739, 22.4268, 42.7717**, and if you desaturate by 10%, it is **41.6998, 31.1258, 49.9168**.

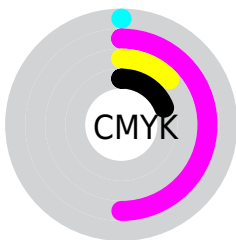
Distribution



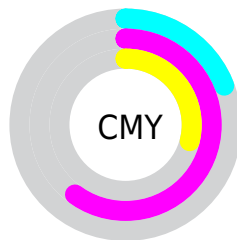
- Red (81%)
- Green (40%)
- Blue (71%)



- Red (81%)
- Yellow (40%)
- Blue (71%)



- Cyan (0%)
- Magenta (50%)
- Yellow (13%)
- Black (19%)





- Cyan (19%)
- Magenta (60%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8206, 26.2612, 46.2029 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 38.8206, 26.2612, 46.2029 by changing the saturation by 10% instead.


 38.8206, 26.2612,
46.2029


 38.8206, 26.2612,
46.2029

332.3475,
284.0619, 387.9250


 26.8003, 17.0191,
32.0561


 72.6600, 53.6960,
85.8601


 17.5591, 10.2481,
21.1392


 95.2098, 72.6576,
112.2075

 10.7317, 5.5638,
13.0336


 122.0002, 95.6278,
143.4590

 5.9527, 2.5817,
7.3207

 153.3964,
122.9910, 180.0330

 2.8567, 0.9175,
3.5820

189.7639,
155.1316, 222.3480

 1.0784, 0.0000,
1.3989

231.4680,

 0.0070, 0.0000,

192.4341, 270.8227

0.1409

278.8741,
235.2827, 325.8755

■ 0.0000, 0.0000,
0.0000

■ 38.8206, 26.2612,
46.2029

■ 38.8206, 26.2612,
46.2029

■ 36.4739, 22.4268,
42.7717

■ 41.6998, 31.1258,
49.9168

■ 34.6187, 19.5421,
39.6077

■ 45.1436, 37.0857,
53.9246

■ 33.2118, 17.5208,
36.6955

■ 49.1845, 44.2051,
58.2385

■ 32.2011, 16.2591,
34.0165

■ 53.8517, 52.5421,
62.8693

■ 31.5034, 15.5739,
31.5943

■ 59.1725, 62.1509,
67.8273

■ 65.1726, 73.0824,
73.1220

■ 71.8762, 85.3848,
78.7625

■ 74.8110, 90.1130,
83.2593

■ 75.5473, 90.4075,
87.1367

Harmonies

Analogous

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



33.4647, 26.2612, 70.1134



38.8206, 26.2612, 46.2029



40.1874, 26.2612, 24.6673

Triad

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



38.8206, 26.2612, 46.2029



23.5488, 26.2612, 5.2920



15.9101, 26.2612, 56.7465

Complementary

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



38.8206, 26.2612, 46.2029



31.9368, 49.1218, 28.9193

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.



14.1667, 26.2612, 32.9167



38.8206, 26.2612, 46.2029



18.0348, 26.2612, 7.9081

Square

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



38.8206, 26.2612, 46.2029



30.5246, 26.2612, 6.2844



14.8679, 26.2612, 16.1466



20.1173, 26.2612, 77.8781

Rectangle

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



38.8206, 26.2612, 46.2029



38.4690, 26.2612, 15.0692



14.8679, 26.2612, 16.1466



15.0546, 26.2612, 48.4604

Sweetspot

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



38.8214, 26.2624, 46.2034



82.4805, 77.3537, 97.0252



25.1673, 18.8741, 61.3486



17.3174, 15.9560, 20.4309



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.



38.8214, 26.2624, 46.2034



58.2927, 35.6833, 68.2919



34.5459, 24.5522, 23.6887



12.1743, 11.9544, 14.1934



19.8888, 9.8284, 20.1187



1.1435, 0.5621, 1.2904

Inverse Universe

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



38.8214, 26.2624, 46.2034



58.2927, 35.6833, 68.2919



36.2479, 50.8462, 51.6210



12.1743, 11.9544, 14.1934



19.8888, 9.8284, 20.1187



1.1435, 0.5621, 1.2904

Previews

White Background



This preview shows how the XYZ color 38.8206, 26.2612, 46.2029 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 38.8206, 26.2612, 46.2029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

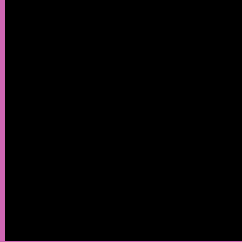
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.8206, 26.2612, 46.2029

Background



This preview shows how black text looks on a background with the XYZ color 38.8206, 26.2612, 46.2029.



This preview shows how white text looks on a background with the XYZ color 38.8206, 26.2612,

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

38.8206, 26.2612, 46.2029

Protanopia

27.8222, 26.5335, 62.6866

Deuteranopia

27.0450, 26.5513, 43.7439



Tritanopia

33.8562, 26.1342, 22.3288

Trichromacy



Original Color

38.8206, 26.2612, 46.2029



Protanomaly

29.9893, 25.1825, 56.1034



Deuteranomaly

30.0704, 25.4832, 44.4082



Tritanomaly

35.3471, 26.0790, 29.5563

Monochromacy



Original Color

38.8206, 26.2612, 46.2029



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

29.4458, 25.9456, 34.9085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8206, 26.2612, 46.2029 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(207, 103, 180)` looks like.

```
.text, #text, p{  
    color:rgb(207, 103, 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(207, 103, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 103, 180) }
```

Border

The CSS property to change the border of an element to XYZ 38.8206, 26.2612, 46.2029 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(207, 103, 180) }
```


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

```
.border{ border-color:rgb(207, 103, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 103, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 103, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 103, 180);  
box-shadow:4px 4px 4px 4px rgb(207, 103,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8206, 26.2612, 46.2029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 103, 180) }
```

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

```
.background{ background-color: rgb(207,  
103, 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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