

Converting Colors

XYZ(38.2466, 29.9217, 46.1145)

Have a look what the booklet for
XYZ(38.2466, 29.9217, 46.1145)
contains.

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Color

**XYZ(38.2617, 29.8718,
45.8687)**

Conversions

Conversions Part 1

Format	Color
Hex	C47EB2
RGB	196, 126, 178
RGB Percent	77%, 49%, 70%
CMY	0.2314, 0.5059, 0.3020
CMYK	0.00, 0.36, 0.09, 0.23
HSL	315°, 37%, 63%
HSV	315°, 36%, 77%
XYZ	38.2617, 29.8718, 45.8687
YIQ	152.8580, 25.0280, 31.0120

Conversions

Conversions Part 2

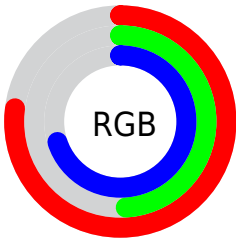
Format	Color
R _Y B	196, 126, 178
Decimal	12877490
CIE Lab	61.54, 34.95, -16.23
CIE LCh	62, 38.533, 335.086
Yxy	29.8718, 0.3356, 0.2620
Android (android.graphics.Color)	4291067570 (0xFFC47EB2)
YUV	152.8580, 12.3950, 37.8355
Hunter-Lab	54.6551, 29.3138, -11.4999

Details

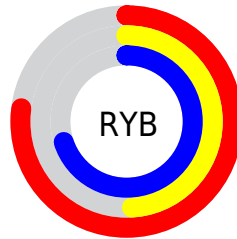
The XYZ color **38.2617, 29.8718, 45.8687** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.3794, 45.9301, 33.4936**, and the grayscale version is **30.1575, 31.7281, 34.5519**.

A 20% lighter version of the original color is **72.0456, 59.6539, 85.5590**, and **17.2023, 12.1755, 20.8455** is the 20% darker color. If you saturate the color by 10%, you get **35.5000, 25.1431, 42.4971**, and if you desaturate by 10%, it is **41.5348, 35.5926, 49.5031**.

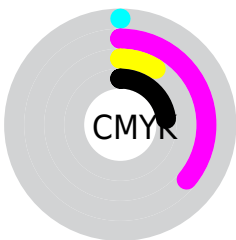
Distribution



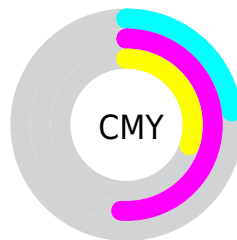
- Red (77%)
- Green (49%)
- Blue (70%)



- Red (77%)
- Yellow (49%)
- Blue (70%)



- Cyan (0%)
- Magenta (36%)
- Yellow (9%)
- Black (23%)





- Cyan (23%)
- Magenta (51%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2617, 29.8718, 45.8687 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 38.2617, 29.8718, 45.8687 by changing the saturation by 10% instead.


 38.2617, 29.8718,
45.8687


 38.2617, 29.8718,
45.8687

330.0027,
301.3064, 386.5428


 26.3640, 19.7413,
31.7943


 71.8104, 59.4594,
85.3547

 17.2303, 12.2071,
20.9409


 94.1921, 79.6852,
111.6033

 10.4951, 6.8849,
12.8900

 120.7992,
104.0450, 142.7472

 5.7932, 3.3902,
7.2230

151.9970,
132.9231, 179.2047

 2.7592, 1.3387,
3.5214

188.1509,
166.7039, 221.3945

 1.0277, 0.1709,
1.3666

229.6263,

 0.0000, 0.0000,

205.7718, 269.7351

0.1155

276.7884,
250.5112, 324.6450

■ 0.0000, 0.0000,
0.0000

■ 38.2617, 29.8718,
45.8687

■ 38.2617, 29.8718,
45.8687

■ 35.5000, 25.1431,
42.4971

■ 41.5348, 35.5926,
49.5031

■ 33.2180, 21.3448,
39.3759

■ 45.3432, 42.3545,
53.4084

■ 31.3846, 18.4146,
36.4941


■ 49.7126, 50.2079,
57.5943


■ 29.9638, 16.2807,
33.8385


■ 54.6662, 59.1991,
62.0696

■ 28.9137, 14.8599,
31.3943


■ 60.2259, 69.3714,
66.8423


 28.1826, 14.0488,
29.1432

 66.4123, 80.7659,
71.9204

 27.9223, 13.7987,
28.2220

 70.5715, 88.0744,
76.4200

 71.2225, 88.3348,
79.8484

 71.8936, 88.6033,
83.3826

Harmonies

Analogous

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



34.4189, 29.8718, 61.3918



38.2617, 29.8718, 45.8687



39.3394, 29.8718, 30.0953

Triad

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



38.2617, 29.8718, 45.8687



27.5306, 29.8718, 11.7855



21.0911, 29.8718, 51.5163

Complementary

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



38.2617, 29.8718, 45.8687



33.3794, 45.9301, 33.4936

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.



19.6915, 29.8718, 35.0827



38.2617, 29.8718, 45.8687



23.1136, 29.8718, 14.5135

Square

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



38.2617, 29.8718, 45.8687



32.7330, 29.8718, 13.1058



20.3851, 29.8718, 22.0586



24.4533, 29.8718, 65.2788

Rectangle

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



38.2617, 29.8718, 45.8687



38.2465, 29.8718, 21.9995



20.3851, 29.8718, 22.0586



20.3951, 29.8718, 45.9651

Sweetspot

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



38.2626, 29.8732, 45.8693



85.6056, 82.9349, 100.1296



28.8405, 24.7931, 55.4907



18.0934, 17.3391, 21.2101



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.



38.2626, 29.8732, 45.8693



65.2568, 47.1531, 78.1922



35.2228, 28.6572, 29.8621



10.3831, 10.2018, 12.1079



17.9776, 8.8808, 18.3258



0.8035, 0.3944, 0.9324

Inverse Universe

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



38.2626, 29.8732, 45.8693



65.2568, 47.1531, 78.1922



36.4314, 47.1508, 49.5651



10.3831, 10.2018, 12.1079



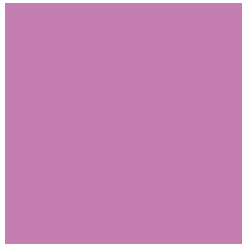
17.9776, 8.8808, 18.3258



0.8035, 0.3944, 0.9324

Previews

White Background



This preview shows how the XYZ color 38.2617, 29.8718, 45.8687 looks on a white background.

Color Contrast Check

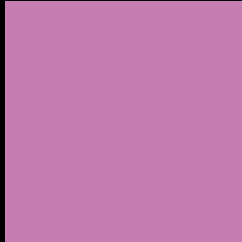
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.2617, 29.8718, 45.8687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

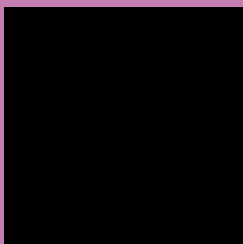
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.2617, 29.8718, 45.8687

Background



This preview shows how black text looks on a background with the XYZ color 38.2617, 29.8718, 45.8687.



This preview shows how white text looks on a background with the XYZ color 38.2617, 29.8718,

45.8687.

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

38.2617, 29.8718, 45.8687

Protanopia

30.3759, 30.0361, 54.6486

Deuteranopia

30.5279, 29.8861, 44.2040



Tritanopia

35.0837, 29.9647, 29.9213

Trichromacy



Original Color

38.2617, 29.8718, 45.8687

Protanomaly

32.4103, 29.3652, 51.5368

Deuteranomaly

32.7627, 29.4876, 44.5223

Tritanomaly

35.9757, 29.7030, 35.2896

Monochromacy



Original Color

38.2617, 29.8718, 45.8687

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

32.7062, 30.6886, 38.3821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2617, 29.8718, 45.8687 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, 126, 178)` looks like.

```
.text, #text, p{  
    color:rgb(196, 126, 178)  
}
```

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, 126, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 126, 178) }
```

Border

The CSS property to change the border of an element to XYZ 38.2617, 29.8718, 45.8687 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, 126, 178) }
```


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

```
.border{ border-color:rgb(196, 126, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 126, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 126, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 126, 178);  
box-shadow:4px 4px 4px 4px rgb(196, 126,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2617, 29.8718, 45.8687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 126, 178) }
```

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

```
.background{ background-color: rgb(196,  
126, 178) }
```

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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