

Converting Colors

XYZ(38.2488, 29.3879, 66.9360)

Have a look what the booklet for
XYZ(38.2488, 29.3879, 66.9360)
contains.

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Color

**XYZ(38.2935, 29.4291,
66.6129)**

Conversions

Conversions Part 1

Format	Color
Hex	B47ED5
RGB	180, 126, 213
RGB Percent	71%, 49%, 84%
CMY	0.2941, 0.5059, 0.1647
CMYK	0.15, 0.41, 0.00, 0.16
HSL	277°, 51%, 66%
HSV	277°, 41%, 84%
XYZ	38.2935, 29.4291, 66.6129
YIQ	152.0640, 4.2570, 38.5050

Conversions

Conversions Part 2

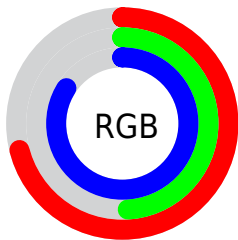
Format	Color
RYB	180, 126, 213
Decimal	11828949
CIELab	61.16, 36.71, -36.75
CIElCh	61, 51.944, 314.966
Yxy	29.4291, 0.2851, 0.2191
Android (android.graphics.Color)	4290019029 (0xFFB47ED5)
YUV	152.0640, 30.0414, 24.4999
Hunter-Lab	54.2486, 31.0662, -34.8293

Details

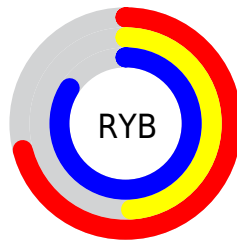
The XYZ color **38.2935, 29.4291, 66.6129** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **41.8591, 56.4665, 28.4328**, and the grayscale version is **29.7467, 31.2959, 34.0812**.

A 20% lighter version of the original color is **69.2963, 57.8670, 102.1249**, and **17.2918, 11.9364, 33.7403** is the 20% darker color. If you saturate the color by 10%, you get **34.0281, 23.6089, 65.7148**, and if you desaturate by 10%, it is **43.2504, 36.4678, 67.7107**.

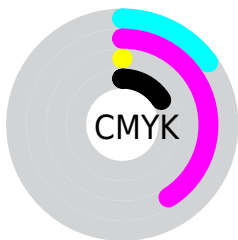
Distribution



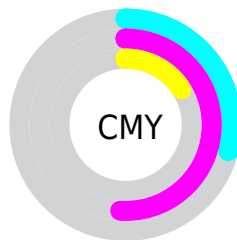
- Red (71%)
- Green (49%)
- Blue (84%)



- Red (71%)
- Yellow (49%)
- Blue (84%)



- Cyan (15%)
- Magenta (41%)
- Yellow (0%)
- Black (16%)



- Cyan (29%)
- Magenta (51%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2935, 29.4291, 66.6129 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 38.2935, 29.4291, 66.6129 by changing the saturation by 10% instead.

38.2935, 29.4291,
66.6129

38.2935, 29.4291,
66.6129

330.1365,
299.2342, 467.0296

26.3888, 19.4057,
48.3105

71.8588, 58.7582,
116.0009

17.2489, 11.9638,
33.7111

94.2501, 78.8326,
147.9236

10.5085, 6.7190,
22.3962

120.8676,
103.0261, 185.2235

5.8023, 3.2870,
13.9472

152.0768,
131.7231, 228.3191

2.7647, 1.2833,
7.9456

188.2429,
165.3080, 277.6290

1.0306, 0.1283,
3.9729

229.7313,

0.0000, 0.0000,

204.1653, 333.5717

1.6105

276.9074,
248.6792, 396.5657

■ 0.0000, 0.0000,
0.2983

■ 0.0000, 0.0000,
0.0000

■ 38.2935, 29.4291,
66.6129

■ 38.2935, 29.4291,
66.6129

■ 34.0281, 23.6089,
65.7148

■ 43.2504, 36.4678,
67.7107

■ 30.4121, 18.9284,
65.0019

■ 48.9315, 44.7902,
69.0177

■ 27.4033, 15.3051,
64.4611

■ 55.3706, 54.4607,
70.5449

■ 24.9523, 12.6430,
64.0765

■ 62.5988, 65.5386,
72.3022

■ 23.0007, 10.8284,
63.8291

■ 70.6450, 78.0794,
74.2987

■ 21.5586, 9.7265,
63.6924

■ 79.5367, 92.1357,
76.5432

■ 82.5476, 94.2525,
76.7931

■ 85.2997, 95.6712,
76.9219

■ 88.1748, 97.1534,
77.0565

Harmonies

Analogous

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



31.4945, 29.4291, 83.7043



38.2935, 29.4291, 66.6129



42.6345, 29.4291, 42.7989

Triad

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



38.2935, 29.4291, 66.6129



31.5107, 29.4291, 7.7444



17.1242, 29.4291, 42.7472

Complementary

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



38.2935, 29.4291, 66.6129



41.8591, 56.4665, 28.4328

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.



17.1271, 29.4291, 23.2599



38.2935, 29.4291, 66.6129



24.7215, 29.4291, 7.7400

Square

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



38.2935, 29.4291, 66.6129



38.3069, 29.4291, 12.1636



19.6941, 29.4291, 12.1473



19.6854, 29.4291, 66.5620

Rectangle

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



38.2935, 29.4291, 66.6129



43.1656, 29.4291, 28.9025



19.6941, 29.4291, 12.1473



16.8407, 29.4291, 35.4038

Sweetspot

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



38.2945, 29.4303, 66.6136



81.9113, 79.8713, 105.7073



33.0739, 34.1577, 67.8012



17.2490, 16.6673, 22.5579



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.



38.2945, 29.4303, 66.6136



51.9410, 36.5514, 98.9253



45.6638, 33.3736, 60.4419



12.4755, 12.3865, 15.6708



13.2857, 6.0015, 38.9113



0.8920, 0.4087, 2.3512

Inverse Universe

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



41.1603, 31.5721, 36.7265



57.2095, 40.4306, 46.6162



36.8540, 53.8067, 31.7930



12.6162, 12.4980, 13.9191



17.7104, 9.0205, 5.7791



1.1079, 0.5599, 0.5574

Previews

White Background



This preview shows how the XYZ color 38.2935, 29.4291, 66.6129 looks on a white background.

Color Contrast Check

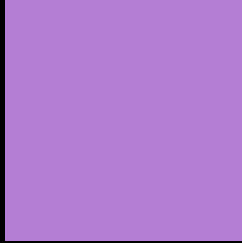
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.2935, 29.4291, 66.6129 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 38.2935, 29.4291, 66.6129

Background



This preview shows how black text looks on a background with the XYZ color 38.2935, 29.4291, 66.6129.



This preview shows how white text looks on a background with the XYZ color 38.2935, 29.4291,

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

38.2935, 29.4291, 66.6129

Protanopia

31.6044, 29.6898, 78.1937

Deuteranopia

30.3917, 29.5968, 64.4325



Tritanopia

31.4607, 29.5042, 32.8909

Trichromacy



Original Color

38.2935, 29.4291, 66.6129

Protanomaly

33.2230, 29.0801, 73.6740

Deuteranomaly

32.7195, 29.2294, 64.8901

Tritanomaly

33.6624, 29.3437, 43.4249

Monochromacy



Original Color

38.2935, 29.4291, 66.6129

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

32.3627, 30.3823, 44.2031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2935, 29.4291, 66.6129 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(180, 126, 213)` looks like.

```
.text, #text, p{  
    color:rgb(180, 126, 213)  
}
```

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(180, 126, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 126, 213) }
```

Border

The CSS property to change the border of an element to XYZ 38.2935, 29.4291, 66.6129 is called "border". The border property can be set on classes, ids or directly on the HTML element.

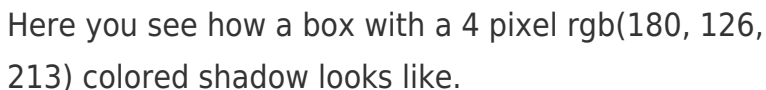
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 126, 213) }
```


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

```
.border{ border-color:rgb(180, 126, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(180, 126, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 126, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 126, 213);  
box-shadow:4px 4px 4px 4px rgb(180, 126,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2935, 29.4291, 66.6129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 126, 213) }
```

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

```
.background{ background-color: rgb(180,  
126, 213) }
```

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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