

Converting Colors

XYZ(28.7952, 18.4020, 34.7855)

Have a look what the booklet for
XYZ(28.7952, 18.4020, 34.7855)
contains.

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Color

**XYZ(28.8938, 18.4309,
34.8355)**

Conversions

Conversions Part 1

Format	Color
Hex	B8509F
RGB	184, 80, 159
RGB Percent	72%, 31%, 62%
CMY	0.2784, 0.6863, 0.3765
CMYK	0.00, 0.57, 0.14, 0.28
HSL	314°, 42%, 52%
HSV	314°, 57%, 72%
XYZ	28.8938, 18.4309, 34.8355
YIQ	120.1020, 36.6250, 46.6170

Conversions

Conversions Part 2

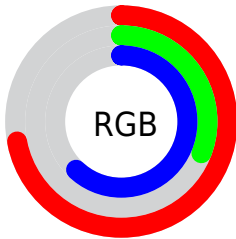
Format	Color
R_{YB}	184, 80, 159
Decimal	12079263
CIE _{Lab}	50.01, 51.65, -22.97
CIE _{LCh}	50, 56.527, 336.024
Yxy	18.4309, 0.3517, 0.2243
Android (android.graphics.Color)	4290269343 (0xFFB8509F)
YUV	120.1020, 19.1767, 56.0385
Hunter-Lab	42.9312, 45.0054, -18.0576

Details

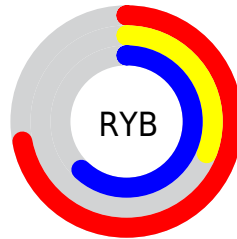
The XYZ color **28.8938, 18.4309, 34.8355** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **22.9994, 37.0069, 19.2970**, and the grayscale version is **17.8184, 18.7463, 20.4147**.

A 20% lighter version of the original color is **57.2806, 40.7825, 68.4711**, and **11.8428, 6.2245, 14.4872** is the 20% darker color. If you saturate the color by 10%, you get **27.3495, 15.9453, 32.4607**, and if you desaturate by 10%, it is **30.8219, 21.6615, 37.4063**.

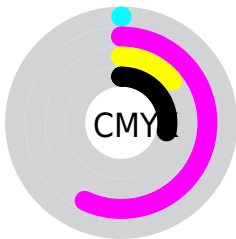
Distribution



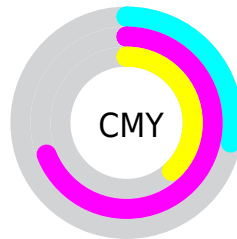
- Red (72%)
- Green (31%)
- Blue (62%)



- Red (72%)
- Yellow (31%)
- Blue (62%)



- Cyan (0%)
- Magenta (57%)
- Yellow (14%)
- Black (28%)



- Cyan (28%)
- Magenta (69%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8938, 18.4309, 34.8355 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 28.8938, 18.4309, 34.8355 by changing the saturation by 10% instead.

■ 28.8938, 18.4309,
34.8355

■ 28.8938, 18.4309,
34.8355

288.7168,
243.2887, 338.7238

■ 19.1444, 11.2598,
23.2536

■ 57.3070, 40.7702,
68.3795

■ 11.8793, 6.2419,
14.5739

■ 76.7016, 56.7072,
91.1788

■ 6.7331, 2.9927,
8.3776

■ 100.0418, 76.3349,
118.5543

■ 3.3406, 1.1279,
4.2463

■ 127.6932,
100.0378, 150.9245

■ 1.3363, 0.0016,
1.7614

■ 160.0210,
128.2003, 188.7080

■ 0.2102, 0.0000,
0.4023

197.3907,

■ 0.0000, 0.0000,

161.2066, 232.3234

0.0000

240.1675,
199.4413, 282.1891

■ 28.8938, 18.4309,
34.8355

■ 28.8938, 18.4309,
34.8355

■ 27.3495, 15.9453,
32.4607

■ 30.8219, 21.6615,
37.4063

■ 26.1561, 14.1401,
30.2699

■ 33.1596, 25.6892,
40.1819

■ 25.2781, 12.9443,
28.2505

■ 35.9324, 30.5648,
43.1718

■ 24.6674, 12.2617,
26.3859

■ 39.1632, 36.3338,
46.3841

■ 24.4838, 12.0770,
25.7617

■ 42.8734, 43.0387,
49.8267

■ 47.0829, 50.7191,
53.5068

■ 51.8105, 59.4123,
57.4314

■ 57.0739, 69.1538,
61.6070

■ 62.8901, 79.9773,
66.0399

Harmonies

Analogous

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



24.4035, 18.4309, 55.2648



28.8938, 18.4309, 34.8355



30.0870, 18.4309, 17.0911

Triad

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



28.8938, 18.4309, 34.8355



16.4451, 18.4309, 2.6014



10.3582, 18.4309, 43.2894

Complementary

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



28.8938, 18.4309, 34.8355



22.9994, 37.0069, 19.2970

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.



9.0515, 18.4309, 23.3722



28.8938, 18.4309, 34.8355



12.0673, 18.4309, 4.2985

Square

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



28.8938, 18.4309, 34.8355



22.1122, 18.4309, 3.2702



9.6054, 18.4309, 10.2050



13.6088, 18.4309, 61.6614

Rectangle

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



28.8938, 18.4309, 34.8355



28.6743, 18.4309, 9.6005



9.6054, 18.4309, 10.2050



9.7114, 18.4309, 36.2527

Sweetspot

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



28.8944, 18.4318, 34.8359



70.5150, 65.0049, 83.6229



17.2613, 12.1582, 46.7846



14.9391, 13.5431, 17.7725



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.8944, 18.4318, 34.8359



48.9524, 27.9335, 57.7721



25.3292, 17.0057, 16.0617



9.2861, 9.1248, 10.8541



16.9027, 8.3348, 17.9062



0.6185, 0.3029, 0.7503

Inverse Universe

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



28.8944, 18.4318, 34.8359



48.9524, 27.9335, 57.7721



26.4729, 38.3963, 37.5878



9.2861, 9.1248, 10.8541



16.9027, 8.3348, 17.9062



0.6185, 0.3029, 0.7503

Previews

White Background



This preview shows how the XYZ color 28.8938, 18.4309, 34.8355 looks on a white background.

Color Contrast Check

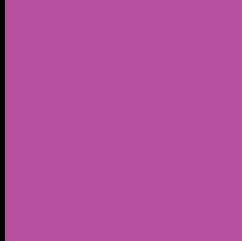
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8938, 18.4309, 34.8355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

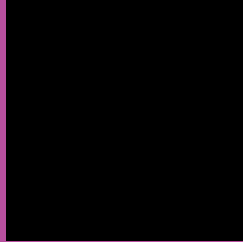
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.8938, 18.4309, 34.8355

Background



This preview shows how black text looks on a background with the XYZ color 28.8938, 18.4309, 34.8355.



This preview shows how white text looks on a background with the XYZ color 28.8938, 18.4309,

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

28.8938, 18.4309, 34.8355

Protanopia

20.0608, 18.7239, 50.7009

Deuteranopia

19.0505, 18.5999, 32.7231



Tritanopia

24.7118, 18.4100, 14.5629

Trichromacy



Original Color

28.8938, 18.4309, 34.8355

Protanomaly

21.5904, 17.5506, 44.3691

Deuteranomaly

21.5142, 17.7562, 33.3037

Tritanomaly

25.9076, 18.2532, 20.5701

Monochromacy



Original Color

28.8938, 18.4309, 34.8355

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

20.6823, 17.6640, 24.8737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8938, 18.4309, 34.8355 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(184, 80, 159)` looks like.

```
.text, #text, p{  
    color:rgb(184, 80, 159)  
}
```

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(184, 80, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 80, 159) }
```

Border

The CSS property to change the border of an element to XYZ 28.8938, 18.4309, 34.8355 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(184, 80, 159) }
```


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

```
.border{ border-color:rgb(184, 80, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 80, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 80, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 80, 159);  
box-shadow:4px 4px 4px 4px rgb(184, 80,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8938, 18.4309, 34.8355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 80, 159) }
```

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

```
.background{ background-color: rgb(184, 80,  
159) }
```

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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