

Converting Colors

XYZ(29.8272, 19.0108, 37.9426)

Have a look what the booklet for
XYZ(29.8272, 19.0108, 37.9426)
contains.

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Color

**XYZ(29.9078, 19.1020,
38.1871)**

Conversions

Conversions Part 1

Format	Color
Hex	B952A6
RGB	185, 82, 166
RGB Percent	73%, 32%, 65%
CMY	0.2745, 0.6784, 0.3490
CMYK	0.00, 0.56, 0.10, 0.27
HSL	311°, 42%, 52%
HSV	311°, 56%, 73%
XYZ	29.9078, 19.1020, 38.1871
YIQ	122.3730, 34.4240, 47.9600

Conversions

Conversions Part 2

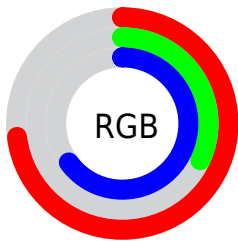
Format	Color
R_{YB}	185, 82, 166
Decimal	12145318
CIE _{Lab}	50.81, 52.13, -25.86
CIE _{LCh}	51, 58.187, 333.614
Yxy	19.1020, 0.3430, 0.2191
Android (android.graphics.Color)	4290335398 (0xFFB952A6)
YUV	122.3730, 21.5081, 54.9239
Hunter-Lab	43.7058, 45.6619, -21.2094

Details

The XYZ color **29.9078, 19.1020, 38.1871** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **23.1785, 37.4321, 18.3167**, and the grayscale version is **18.5452, 19.5110, 21.2474**.

A 20% lighter version of the original color is **58.8175, 41.8835, 73.3909**, and **12.4382, 6.5773, 16.5336** is the 20% darker color. If you saturate the color by 10%, you get **28.3873, 16.5552, 36.1562**, and if you desaturate by 10%, it is **31.8139, 22.4060, 40.3879**.

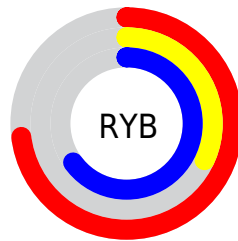
Distribution



Red (73%)

Green (32%)

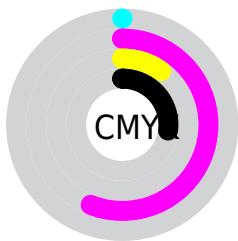
Blue (65%)



Red (73%)

Yellow (32%)

Blue (65%)

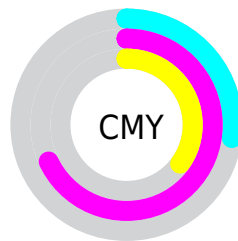


Cyan (0%)

Magenta (56%)

Yellow (10%)

Black (27%)



Cyan (27%)

Magenta (68%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9078, 19.1020, 38.1871 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 29.9078, 19.1020, 38.1871 by changing the saturation by 10% instead.

■ 29.9078, 19.1020,
38.1871

■ 29.9078, 19.1020,
38.1871

293.3920,
247.0113, 353.7441

■ 19.9163, 11.7440,
25.8250

■ 58.9040, 41.9064,
73.6014

■ 12.4422, 6.5696,
16.4682

■ 78.6394, 58.1216,
97.4907

■ 7.1199, 3.1944,
9.6981

■ 102.3535, 78.0579,
126.0595

■ 3.5842, 1.2341,
5.0963

■ 130.4117,
102.0999, 159.7262

■ 1.4697, 0.0893,
2.2441

■ 163.1793,
130.6318, 198.9095

■ 0.3051, 0.0000,
0.6997

201.0216,

■ 0.0000, 0.0000,

164.0380, 244.0279

0.0000

244.3041,
202.7031, 295.4999

■ 29.9078, 19.1020,
38.1871

■ 29.9078, 19.1020,
38.1871

■ 28.3873, 16.5552,
36.1562

■ 31.8139, 22.4060,
40.3879

■ 27.2196, 14.7008,
34.2833

■ 34.1312, 26.5196,
42.7669

■ 26.3691, 13.4680,
32.5566

■ 36.8856, 31.4937,
45.3332

■ 25.7908, 12.7666,
30.9607

■ 40.0999, 37.3742,
48.0947

■ 25.5834, 12.5446,
30.2968

■ 43.7956, 44.2037,
51.0590

■ 47.9927, 52.0222,
54.2328

■ 52.7101, 60.8674,
57.6229

■ 57.9657, 70.7749,
61.2354

■ 63.7764, 81.7787,
65.0764

Harmonies

Analogous

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



24.9559, 19.1020, 59.6404



29.9078, 19.1020, 38.1871



31.5041, 19.1020, 18.8744

Triad

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



29.9078, 19.1020, 38.1871



17.4708, 19.1020, 2.5355



10.4461, 19.1020, 43.5836

Complementary

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



29.9078, 19.1020, 38.1871



23.1785, 37.4321, 18.3167

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.



9.2379, 19.1020, 22.8499



29.9078, 19.1020, 38.1871



12.7191, 19.1020, 4.0436

Square

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



29.9078, 19.1020, 38.1871



23.4995, 19.1020, 3.4127



9.9734, 19.1020, 9.7002



13.6907, 19.1020, 63.7416

Rectangle

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



29.9078, 19.1020, 38.1871



30.2227, 19.1020, 10.5551



9.9734, 19.1020, 9.7002



9.8233, 19.1020, 36.1527

Sweetspot

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



29.9084, 19.1029, 38.1875



70.8370, 65.1337, 85.3186



17.1289, 12.2983, 47.3705



15.0161, 13.5739, 18.1777



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.



29.9084, 19.1029, 38.1875



50.2787, 28.7361, 63.9172



26.0982, 17.5788, 18.1228



9.3079, 9.1335, 10.9690



17.4447, 8.5516, 20.7602



0.6337, 0.3089, 0.8303

Inverse Universe

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



29.9084, 19.1029, 38.1875



50.2787, 28.7361, 63.9172



26.5284, 38.7720, 35.9571



9.3079, 9.1335, 10.9690



17.4447, 8.5516, 20.7602



0.6337, 0.3089, 0.8303

Previews

White Background



This preview shows how the XYZ color 29.9078, 19.1020, 38.1871 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 29.9078, 19.1020, 38.1871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

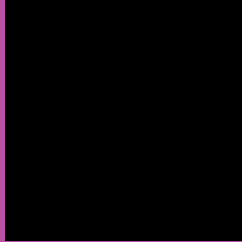
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.9078, 19.1020, 38.1871

Background



This preview shows how black text looks on a background with the XYZ color 29.9078, 19.1020, 38.1871.



This preview shows how white text looks on a background with the XYZ color 29.9078, 19.1020,

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

29.9078, 19.1020, 38.1871

Protanopia

20.9743, 19.4545, 54.8742

Deuteranopia

19.7437, 19.4158, 35.9647



Tritanopia

25.1335, 19.0138, 15.4421

Trichromacy



Original Color

29.9078, 19.1020, 38.1871

Protanomaly

22.5152, 18.2465, 48.2342

Deuteranomaly

22.3231, 18.4057, 36.5585

Tritanomaly

26.7140, 19.0104, 22.3401

Monochromacy



Original Color

29.9078, 19.1020, 38.1871

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

21.5222, 18.3701, 26.4562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9078, 19.1020, 38.1871 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(185, 82, 166)` looks like.

```
.text, #text, p{  
    color:rgb(185, 82, 166)  
}
```

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(185, 82, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 82, 166) }
```

Border

The CSS property to change the border of an element to XYZ 29.9078, 19.1020, 38.1871 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(185, 82, 166) }
```


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

```
.border{ border-color:rgb(185, 82, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 82, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 82, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 82, 166);  
box-shadow:4px 4px 4px 4px rgb(185, 82,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9078, 19.1020, 38.1871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 82, 166) }
```

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

```
.background{ background-color: rgb(185, 82,  
166) }
```

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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