

Converting Colors

XYZ(34.9175, 28.9526, 51.7241)

Have a look what the booklet for
XYZ(34.9175, 28.9526, 51.7241)
contains.

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Color

**XYZ(34.9808, 29.0207,
51.9020)**

Conversions

Conversions Part 1

Format	Color
Hex	AF83BD
RGB	175, 131, 189
RGB Percent	69%, 51%, 74%
CMY	0.3137, 0.4863, 0.2588
CMYK	0.07, 0.31, 0.00, 0.26
HSL	286°, 31%, 63%
HSV	286°, 31%, 74%
XYZ	34.9808, 29.0207, 51.9020
YIQ	150.7680, 7.6060, 27.3660

Conversions

Conversions Part 2

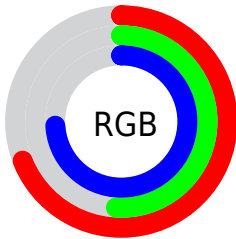
Format	Color
R _Y B	175, 131, 189
Decimal	11502525
CIE Lab	60.80, 27.28, -23.82
CIE LCh	61, 36.217, 318.878
Yxy	29.0207, 0.3018, 0.2504
Android (android.graphics.Color)	4289692605 (0xFFAF83BD)
YUV	150.7680, 18.8484, 21.2515
Hunter-Lab	53.8709, 21.6341, -19.4135

Details

The XYZ color **34.9808, 29.0207, 51.9020** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.9724, 44.0544, 28.1869**, and the grayscale version is **29.2369, 30.7595, 33.4971**.

A 20% lighter version of the original color is **66.5769, 57.8625, 94.0458**, and **15.3416, 11.7717, 24.3852** is the 20% darker color. If you saturate the color by 10%, you get **31.6637, 23.8805, 51.0851**, and if you desaturate by 10%, it is **38.7974, 35.1072, 52.8761**.

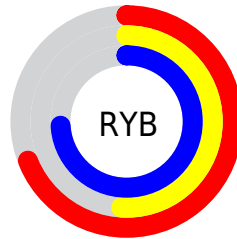
Distribution



Red (69%)

Green (51%)

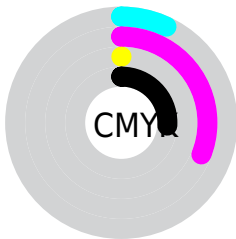
Blue (74%)



Red (69%)

Yellow (51%)

Blue (74%)

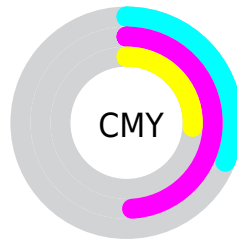


Cyan (7%)

Magenta (31%)

Yellow (0%)

Black (26%)



Cyan (31%)


Magenta (49%)


Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9808, 29.0207, 51.9020 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 34.9808, 29.0207, 51.9020 by changing the saturation by 10% instead.


 34.9808, 29.0207,
51.9020


 34.9808, 29.0207,
51.9020


315.9931,
297.3126, 411.0043


 23.8145, 19.0965,
36.5453


 66.7902, 58.1100,
94.4118

 15.3201, 11.7400,
24.5626


 88.1641, 78.0438,
122.4020

 9.1321, 6.5669,
15.5354


 113.6713,
102.0830, 155.4403

 4.8853, 3.1928,
9.0452

143.6770,
130.6119, 193.9454

 2.2142, 1.2332,
4.6735

178.5467,
164.0149, 238.3359

 0.7502, 0.0886,
2.0016

218.6457,

 0.0000, 0.0000,

202.6764, 289.0301

0.5563

264.3394,
246.9809, 346.4468

■ 0.0000, 0.0000,
0.0000

■ 34.9808, 29.0207,
51.9020

■ 34.9808, 29.0207,
51.9020

■ 31.6637, 23.8805,
51.0851

■ 38.7974, 35.1072,
52.8761

■ 28.8178, 19.6324,
50.4151

■ 43.1342, 42.1831,
54.0133

■ 26.4160, 16.2222,
49.8835

■ 48.0144, 50.2933,
55.3215

■ 24.4273, 13.5883,
49.4799

■ 53.4586, 59.4786,
56.8075

■ 22.8162, 11.6604,
49.1927

■ 59.4864, 69.7779,
58.4778

■ 21.5410, 10.3553,
49.0080

■ 66.1164, 81.2280,
60.3384

■ 20.5789, 9.5477,
48.9028

■ 70.6597, 88.4504,
61.4930

■ 71.9524, 89.1168,
61.5535

■ 73.2822, 89.8023,
61.6158

Harmonies

Analogous

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



30.6174, 29.0207, 63.0292



34.9808, 29.0207, 51.9020



37.4544, 29.0207, 36.8687

Triad

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



34.9808, 29.0207, 51.9020



29.3668, 29.0207, 12.3745



19.8731, 29.0207, 40.7520

Complementary

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



34.9808, 29.0207, 51.9020



33.9724, 44.0544, 28.1869

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.



19.6195, 29.0207, 26.8563



34.9808, 29.0207, 51.9020



24.7566, 29.0207, 12.8667

Square

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



34.9808, 29.0207, 51.9020



33.9761, 29.0207, 15.8147



21.3100, 29.0207, 17.4300



22.0473, 29.0207, 55.4313

Rectangle

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



34.9808, 29.0207, 51.9020



37.5299, 29.0207, 27.7637



21.3100, 29.0207, 17.4300



19.5705, 29.0207, 35.7713

Sweetspot

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



34.9817, 29.0219, 51.9026



78.5362, 77.6665, 97.0780



28.7485, 28.9047, 52.2085



16.6279, 16.2713, 20.8069



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



34.9817, 29.0219, 51.9026



58.4554, 45.4435, 91.9167



36.7923, 30.1282, 44.1774



9.6988, 9.5771, 12.0096



13.9172, 6.4607, 32.9064



0.6003, 0.2815, 1.2916

Inverse Universe

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



34.2144, 29.0970, 30.6024



57.0242, 45.6998, 46.9351



32.7082, 43.2810, 33.6221



9.6221, 9.5731, 10.3988



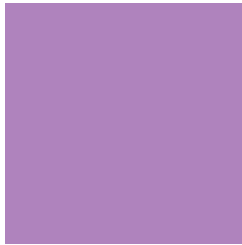
14.4727, 7.4202, 2.5169



0.5936, 0.3013, 0.2390

Previews

White Background



This preview shows how the XYZ color 34.9808, 29.0207, 51.9020 looks on a white background.

Color Contrast Check

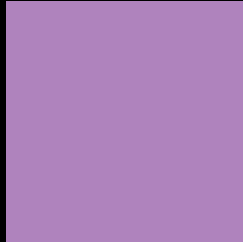
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.9808, 29.0207, 51.9020 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 34.9808, 29.0207, 51.9020

Background



This preview shows how black text looks on a background with the XYZ color 34.9808, 29.0207, 51.9020.



This preview shows how white text looks on a background with the XYZ color 34.9808, 29.0207,

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

34.9808, 29.0207, 51.9020

Protanopia

29.7943, 29.1996, 58.0986

Deuteranopia

29.8207, 29.1544, 50.5100



Tritanopia

31.0196, 29.0702, 32.4100

Trichromacy



Original Color

34.9808, 29.0207, 51.9020

Protanomaly

31.2610, 28.8993, 55.5603

Deuteranomaly

31.3391, 28.8254, 50.9258

Tritanomaly

32.2996, 28.9466, 39.0068

Monochromacy



Original Color

34.9808, 29.0207, 51.9020

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

31.2620, 30.1367, 39.7666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9808, 29.0207, 51.9020 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(175, 131, 189)` looks like.

```
.text, #text, p{  
    color:rgb(175, 131, 189)  
}
```

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(175, 131, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 131, 189) }
```

Border

The CSS property to change the border of an element to XYZ 34.9808, 29.0207, 51.9020 is called "border". The border property can be set on classes, ids or directly on the HTML element.

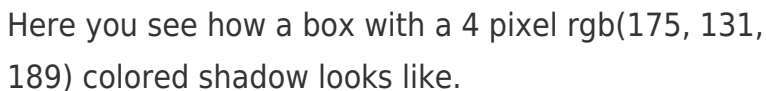
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 131, 189) }
```


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

```
.border{ border-color:rgb(175, 131, 189) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 131, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 131, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 131, 189); box-shadow:4px 4px 4px 4px rgb(175, 131, 189) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9808, 29.0207, 51.9020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 131, 189) }
```

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

```
.background{ background-color: rgb(175,  
131, 189) }
```

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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