

Converting Colors

XYZ(29.8345, 19.0981, 34.3872)

Have a look what the booklet for
XYZ(29.8345, 19.0981, 34.3872)
contains.

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Color

**XYZ(29.9279, 19.1946,
34.4753)**

Conversions

Conversions Part 1

Format	Color
Hex	BC529E
RGB	188, 82, 158
RGB Percent	74%, 32%, 62%
CMY	0.2627, 0.6784, 0.3804
CMYK	0.00, 0.56, 0.16, 0.26
HSL	317°, 44%, 53%
HSV	317°, 56%, 74%
XYZ	29.9279, 19.1946, 34.4753
YIQ	122.3580, 38.7800, 46.1080

Conversions

Conversions Part 2

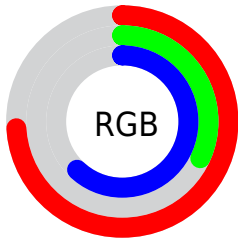
Format	Color
R_{YB}	188, 82, 158
Decimal	12341918
CIE _{Lab}	50.91, 51.74, -20.95
CIE _{LCh}	51, 55.816, 337.958
Yxy	19.1946, 0.3580, 0.2296
Android (android.graphics.Color)	4290531998 (0xFFBC529E)
YUV	122.3580, 17.5715, 57.5680
Hunter-Lab	43.8116, 45.2637, -15.9870

Details

The XYZ color **29.9279, 19.1946, 34.4753** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **24.3885, 38.9308, 21.5599**, and the grayscale version is **18.5519, 19.5180, 21.2551**.

A 20% lighter version of the original color is **58.8204, 42.0052, 67.9584**, and **12.4439, 6.5994, 14.2536** is the 20% darker color. If you saturate the color by 10%, you get **28.2514, 16.5586, 31.7055**, and if you desaturate by 10%, it is **32.0137, 22.6170, 37.4798**.

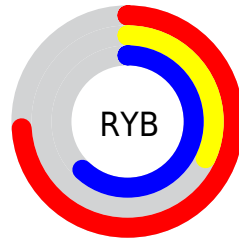
Distribution



Red (74%)

Green (32%)

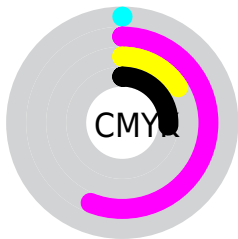
Blue (62%)



Red (74%)

Yellow (32%)

Blue (62%)

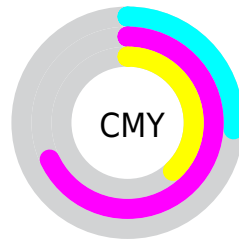


Cyan (0%)

Magenta (56%)

Yellow (16%)

Black (26%)



Cyan (26%)

Magenta (68%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9279, 19.1946, 34.4753 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 29.9279, 19.1946, 34.4753 by changing the saturation by 10% instead.

■ 29.9279, 19.1946,
34.4753

■ 29.9279, 19.1946,
34.4753

293.4841,
247.5210, 337.0799

■ 19.9317, 11.8110,
22.9787

■ 58.9355, 42.0627,
67.8144

■ 12.4534, 6.6151,
14.3726

■ 78.6777, 58.3159,
90.4940

■ 7.1276, 3.2226,
8.2386

■ 102.3991, 78.2945,
117.7384

■ 3.5891, 1.2490,
4.1580

■ 130.4653,
102.3827, 149.9659

■ 1.4724, 0.1012,
1.7124

■ 163.2415,
130.9651, 187.5954

■ 0.3069, 0.0000,
0.3692

201.0932,

■ 0.0000, 0.0000,

164.4260, 231.0451

0.0000

244.3856,
203.1499, 280.7338

■ 29.9279, 19.1946,
34.4753

■ 29.9279, 19.1946,
34.4753

■ 28.2514, 16.5586,
31.7055

■ 32.0137, 22.6170,
37.4798

■ 26.9497, 14.6410,
29.1570

■ 34.5363, 26.8809,
40.7287

■ 25.9852, 13.3670,
26.8164

■ 37.5225, 32.0397,
44.2324

■ 25.3081, 12.6372,
24.6657

■ 40.9966, 38.1413,
48.0002

■ 25.0976, 12.4348,
23.9216

■ 44.9811, 45.2306,
52.0407

■ 49.4971, 53.3493,
56.3619

■ 54.5646, 62.5368,
60.9718

■ 60.2022, 72.8304,
65.8775

■ 66.4280, 84.2656,
71.0862

Harmonies

Analogous

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



25.5650, 19.1946, 55.1002



29.9279, 19.1946, 34.4753



30.8725, 19.1946, 16.9748

Triad

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



29.9279, 19.1946, 34.4753



16.8163, 19.1946, 2.9532



11.1022, 19.1946, 45.6610

Complementary

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



29.9279, 19.1946, 34.4753



24.3885, 38.9308, 21.5599

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.



9.6361, 19.1946, 25.3872



29.9279, 19.1946, 34.4753



12.4737, 19.1946, 4.9459

Square

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



29.9279, 19.1946, 34.4753



22.5144, 19.1946, 3.5068



10.0820, 19.1946, 11.4577



14.5507, 19.1946, 63.5104

Rectangle

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



29.9279, 19.1946, 34.4753



29.2898, 19.1946, 9.6600



10.0820, 19.1946, 11.4577



10.3964, 19.1946, 38.5909

Sweetspot

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



29.9285, 19.1955, 34.4757



73.6969, 68.0598, 86.3593



18.5591, 12.9987, 49.1081



15.5647, 14.1359, 18.2704



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.



29.9285, 19.1955, 34.4757



50.4915, 28.9359, 56.1598



26.3970, 17.7829, 15.8789



9.8117, 9.6490, 11.3972



17.1208, 8.4795, 16.4613



0.6973, 0.3428, 0.7854

Inverse Universe

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



29.9285, 19.1955, 34.4757



50.4915, 28.9359, 56.1598



28.0985, 40.4148, 41.0965



9.8117, 9.6490, 11.3972



17.1208, 8.4795, 16.4613



0.6973, 0.3428, 0.7854

Previews

White Background



This preview shows how the XYZ color 29.9279, 19.1946, 34.4753 looks on a white background.

Color Contrast Check

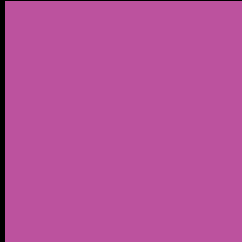
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9279, 19.1946, 34.4753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

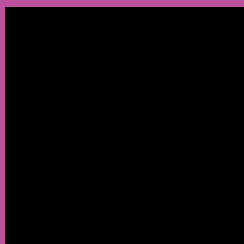
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.9279, 19.1946, 34.4753

Background



This preview shows how black text looks on a background with the XYZ color 29.9279, 19.1946, 34.4753.



This preview shows how white text looks on a background with the XYZ color 29.9279, 19.1946,

34.4753.

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

29.9279, 19.1946, 34.4753

Protanopia

20.7231, 19.6175, 49.7080

Deuteranopia

19.7355, 19.3122, 32.3932



Tritanopia

25.7819, 19.0888, 14.8960

Trichromacy



Original Color

29.9279, 19.1946, 34.4753



Protanomaly

22.3506, 18.2680, 43.4224



Deuteranomaly

22.3145, 18.4808, 32.9629



Tritanomaly

26.9362, 18.9078, 20.6422

Monochromacy



Original Color

29.9279, 19.1946, 34.4753



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

21.4849, 18.3757, 25.3361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9279, 19.1946, 34.4753 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(188, 82, 158)` looks like.

```
.text, #text, p{  
    color:rgb(188, 82, 158)  
}
```

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(188, 82, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 82, 158) }
```

Border

The CSS property to change the border of an element to XYZ 29.9279, 19.1946, 34.4753 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(188, 82, 158) }
```


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

```
.border{ border-color:rgb(188, 82, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 82, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 82, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 82, 158);  
box-shadow:4px 4px 4px 4px rgb(188, 82,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9279, 19.1946, 34.4753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 82, 158) }
```

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

```
.background{ background-color: rgb(188, 82,  
158) }
```

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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