

Converting Colors

XYZ(34.5021, 18.9100, 65.9446)

Have a look what the booklet for
XYZ(34.5021, 18.9100, 65.9446)
contains.

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Color

**XYZ(34.4819, 18.9163,
66.1238)**

Conversions

Conversions Part 1

Format	Color
Hex	BB3ED7
RGB	187, 62, 215
RGB Percent	73%, 24%, 84%
CMY	0.2667, 0.7568, 0.1569
CMYK	0.13, 0.71, 0.00, 0.16
HSL	289°, 66%, 54%
HSV	289°, 71%, 84%
XYZ	34.4819, 18.9163, 66.1238
YIQ	116.8170, 25.3870, 74.0830

Conversions

Conversions Part 2

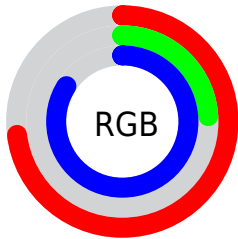
Format	Color
R _{YB}	187, 62, 215
Decimal	12271319
CIE Lab	50.59, 69.58, -54.56
CIE LCh	51, 88.422, 321.901
Yxy	18.9163, 0.2885, 0.1583
Android (android.graphics.Color)	4290461399 (0xFFBB3ED7)
YUV	116.8170, 48.4042, 61.5505
Hunter-Lab	43.4929, 65.4054, -59.6957

Details

The XYZ color **34.4819, 18.9163, 66.1238** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted purple. A complement of this color would be **29.3869, 51.1227, 12.8769**, and the grayscale version is **16.7025, 17.5723, 19.1363**.

A 20% lighter version of the original color is **62.7725, 40.2458, 99.0675**, and **15.3113, 7.1703, 33.3779** is the 20% darker color. If you saturate the color by 10%, you get **32.5862, 16.5337, 65.7641**, and if you desaturate by 10%, it is **36.8677, 22.2384, 66.6396**.

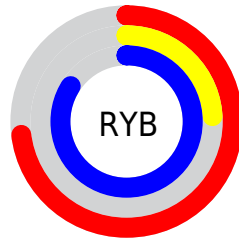
Distribution



Red (73%)

Green (24%)

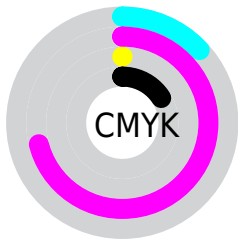
Blue (84%)



Red (73%)

Yellow (24%)

Blue (84%)

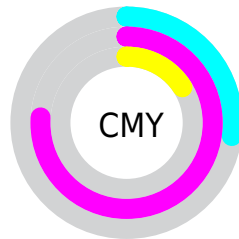


Cyan (13%)

Magenta (71%)

Yellow (0%)

Black (16%)



Cyan (27%)


Magenta (76%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4819, 18.9163, 66.1238 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 34.4819, 18.9163, 66.1238 by changing the saturation by 10% instead.

 34.4819, 18.9163,
66.1238


 34.4819, 18.9163,
66.1238


313.8237,
245.9863, 465.2358


 23.4287, 11.6098,
47.9158


 66.0217, 41.5926,
115.2927


 15.0328, 6.4786,
33.4007


 87.2390, 57.7312,
147.0907

 8.9289, 3.1382,
22.1599


 112.5750, 77.5827,
184.2557

 4.7516, 1.2043,
13.7750

 142.3952,
101.5314, 227.2063

 2.1355, 0.0652,
7.8274

 177.0647,
129.9617, 276.3611

 0.7084, 0.0000,
3.8985

216.9491,

 0.0000, 0.0000,

163.2580, 332.1386

1.5698

262.4137,
201.8048, 394.9573

■ 0.0000, 0.0000,
0.2692

■ 0.0000, 0.0000,
0.0000

■ 34.4819, 18.9163,
66.1238

■ 34.4819, 18.9163,
66.1238

■ 32.5862, 16.5337,
65.7641

■ 36.8677, 22.2384,
66.6396

■ 31.1199, 14.9718,
65.5399

■ 39.7902, 26.5953,
67.3265

■ 30.0925, 14.0963,
65.4251

■ 43.2930, 32.0729,
68.1992

■ 47.4143, 38.7476,
69.2703

■ 52.1891, 46.6889,
70.5515

■ 57.6497, 55.9611,
72.0534

■ 63.8261, 66.6240,
73.7860

■ 70.7466, 78.7338,
75.7587

■ 78.2766, 92.0212,
77.9265

Harmonies

Analogous

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



24.9168, 18.9163, 103.8177



34.4819, 18.9163, 66.1238



39.9576, 18.9163, 28.0550

Triad

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



34.4819, 18.9163, 66.1238



20.4235, 18.9163, 0.0000



6.5490, 18.9163, 43.9348

Complementary

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



34.4819, 18.9163, 66.1238



29.3869, 51.1227, 12.8769

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.



6.0359, 18.9163, 14.5933



34.4819, 18.9163, 66.1238



12.4663, 18.9163, 0.3623

Square

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



34.4819, 18.9163, 66.1238



30.3045, 18.9163, 1.2590



7.8170, 18.9163, 2.9768



9.5520, 18.9163, 85.3287

Rectangle

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



34.4819, 18.9163, 66.1238



39.6325, 18.9163, 12.2591



7.8170, 18.9163, 2.9768



6.1288, 18.9163, 32.0514

Sweetspot

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



34.4827, 18.9171, 66.1242



76.7678, 68.6519, 103.8128



17.9133, 13.2519, 65.9040



15.9911, 13.9561, 22.1009



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.



34.4827, 18.9171, 66.1242



46.8739, 23.1201, 96.5998



36.6810, 20.6663, 38.3980



12.7198, 12.5125, 15.6823



18.0817, 8.4740, 39.1358



1.1499, 0.5417, 2.3633

Inverse Universe

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



31.5929, 18.6311, 11.6044



43.3132, 23.2111, 9.3891



29.1266, 50.7611, 23.1442



12.5151, 12.4576, 13.3870



17.0128, 8.7414, 2.1053



1.0545, 0.5386, 0.2762

Previews

White Background



This preview shows how the XYZ color 34.4819, 18.9163, 66.1238 looks on a white background.

Color Contrast Check

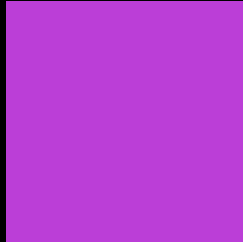
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.4819, 18.9163, 66.1238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

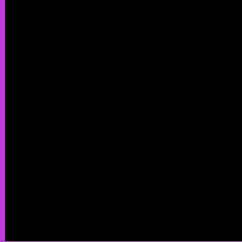
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.4819, 18.9163, 66.1238

Background



This preview shows how black text looks on a background with the XYZ color 34.4819, 18.9163, 66.1238.



This preview shows how white text looks on a background with the XYZ color 34.4819, 18.9163,

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

34.4819, 18.9163, 66.1238

Protanopia

23.0339, 19.2062, 90.4888

Deuteranopia

19.8425, 19.2875, 60.4347



Tritanopia

24.0766, 18.7349, 15.9829

Trichromacy



Original Color

34.4819, 18.9163, 66.1238



Protanomaly

21.5622, 15.5928, 80.4705



Deuteranomaly

22.0097, 16.7820, 62.4008



Tritanomaly

26.6476, 18.0780, 29.2791

Monochromacy



Original Color

34.4819, 18.9163, 66.1238



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

21.1798, 16.6001, 32.2248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4819, 18.9163, 66.1238 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(187, 62, 215)` looks like.

```
.text, #text, p{  
    color:rgb(187, 62, 215)  
}
```

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(187, 62, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 62, 215) }
```

Border

The CSS property to change the border of an element to XYZ 34.4819, 18.9163, 66.1238 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(187, 62, 215) }
```


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

```
.border{ border-color:rgb(187, 62, 215) }
```

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

Here you see how a box with a 4 pixel rgb(187, 62, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 62, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 62, 215);  
box-shadow:4px 4px 4px 4px rgb(187, 62,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4819, 18.9163, 66.1238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 62, 215) }
```

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

```
.background{ background-color: rgb(187, 62,  
215) }
```

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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