

Converting Colors

XYZ(34.9062, 19.0687, 67.2043)

Have a look what the booklet for
XYZ(34.9062, 19.0687, 67.2043)
contains.

XYZ(34.9322, 19.0386, 67.4793)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.9322, 19.0386,
67.4793)**

Conversions

Conversions Part 1

Format	Color
Hex	BC3DD9
RGB	188, 61, 217
RGB Percent	74%, 24%, 85%
CMY	0.2627, 0.7608, 0.1490
CMYK	0.13, 0.72, 0.00, 0.15
HSL	289°, 67%, 55%
HSV	289°, 72%, 85%
XYZ	34.9322, 19.0386, 67.4793
YIQ	116.7570, 25.6160, 75.4400

Conversions

Conversions Part 2

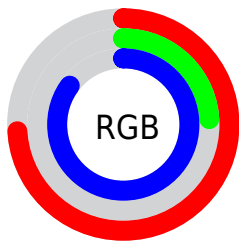
Format	Color
R _{YB}	188, 61, 217
Decimal	12336601
CIE Lab	50.73, 70.51, -55.46
CIE LCh	51, 89.709, 321.813
Yxy	19.0386, 0.2876, 0.1568
Android (android.graphics.Color)	4290526681 (0xFFBC3DD9)
YUV	116.7570, 49.4198, 62.4801
Hunter-Lab	43.6332, 66.5466, -61.1494

Details

The XYZ color **34.9322, 19.0386, 67.4793** 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 **29.8721, 52.1367, 12.9045**, and the grayscale version is **16.6811, 17.5498, 19.1117**.

A 20% lighter version of the original color is **63.4779, 40.6094, 99.1005**, and **15.6389, 7.3190, 34.3067** is the 20% darker color. If you saturate the color by 10%, you get **33.0196, 16.6673, 67.1227**, and if you desaturate by 10%, it is **37.3425, 22.3624, 67.9941**.

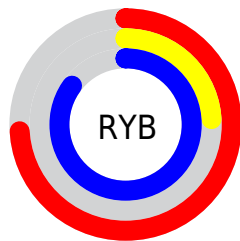
Distribution



Red (74%)

Green (24%)

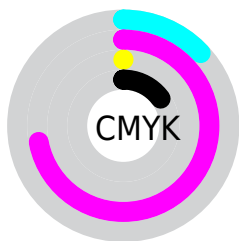
Blue (85%)



Red (74%)

Yellow (24%)

Blue (85%)

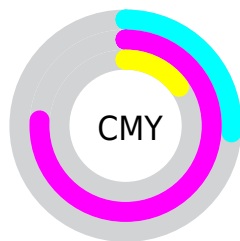


Cyan (13%)

Magenta (72%)

Yellow (0%)

Black (15%)



Cyan (26%)


Magenta (76%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9322, 19.0386, 67.4793 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 34.9322, 19.0386, 67.4793 by changing the saturation by 10% instead.


 34.9322, 19.0386,
67.4793


 34.9322, 19.0386,
67.4793


315.7822,
246.6618, 470.1968

 23.7769, 11.6982,
49.0102


 66.7154, 41.7993,
117.2541


 15.2921, 6.5385,
34.2619


 88.0741, 57.9884,
149.3969


 9.1123, 3.1752,
22.8159


 113.5646, 77.8958,
186.9346

 4.8722, 1.2239,
14.2536

 143.5523,
101.9060, 230.2859

 2.2064, 0.0811,
8.1565

 178.4026,
130.4032, 279.8692

 0.7461, 0.0000,
4.1060

218.4807,

 0.0000, 0.0000,

163.7720, 336.1031

1.6837

264.1522,
202.3967, 399.4061

■ 0.0000, 0.0000,
0.3495

■ 0.0000, 0.0000,
0.0000

■ 34.9322, 19.0386,
67.4793

■ 34.9322, 19.0386,
67.4793

■ 33.0196, 16.6673,
67.1227

■ 37.3425, 22.3624,
67.9941

■ 31.5415, 15.1251,
66.9029

■ 40.2987, 26.7372,
68.6827

■ 30.5790, 14.3172,
66.7977

■ 43.8458, 32.2519,
69.5602

■ 48.0233, 38.9852,
70.6397

■ 52.8671, 47.0086,
71.9331

■ 58.4105, 56.3883,
73.4514

■ 64.6844, 67.1858,
75.2048

■ 71.7176, 79.4587,
77.2031

■ 79.1201, 92.4261,
79.3159

Harmonies

Analogous

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



25.1441, 19.0386, 106.1974



34.9322, 19.0386, 67.4793



40.5599, 19.0386, 28.4299

Triad

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



34.9322, 19.0386, 67.4793



20.6153, 19.0386, 0.0000



6.4889, 19.0386, 44.4717

Complementary

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



34.9322, 19.0386, 67.4793



29.8721, 52.1367, 12.9045

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.



5.9782, 19.0386, 14.5631



34.9322, 19.0386, 67.4793



12.5053, 19.0386, 0.2925

Square

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



34.9322, 19.0386, 67.4793



30.7108, 19.0386, 1.2030



7.7835, 19.0386, 2.8807



9.5169, 19.0386, 86.9707

Rectangle

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



34.9322, 19.0386, 67.4793



40.2421, 19.0386, 12.3033



7.7835, 19.0386, 2.8807



6.0675, 19.0386, 32.3253

Sweetspot

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



34.9330, 19.0394, 67.4797



75.9573, 67.3563, 103.6054



18.2940, 13.6917, 67.3245



15.8299, 13.7026, 22.0605



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.



34.9330, 19.0394, 67.4797



46.4718, 22.7951, 96.5583



37.5592, 20.9997, 40.2041



13.3647, 13.1461, 16.4852



18.5944, 8.7100, 40.4396



1.2674, 0.5966, 2.6228

Inverse Universe

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



32.1300, 18.8280, 11.6142



43.1826, 23.0320, 9.0923



29.4340, 51.6967, 22.5597



13.1544, 13.0909, 14.0744



17.5861, 9.0355, 2.2003



1.1690, 0.5972, 0.2987

Previews

White Background



This preview shows how the XYZ color 34.9322, 19.0386, 67.4793 looks on a white background.

Color Contrast Check

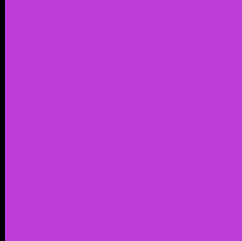
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.9322, 19.0386, 67.4793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

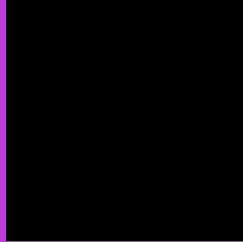
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.9322, 19.0386, 67.4793

Background



This preview shows how black text looks on a background with the XYZ color 34.9322, 19.0386, 67.4793.



This preview shows how white text looks on a background with the XYZ color 34.9322, 19.0386,

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

34.9322, 19.0386, 67.4793

Protanopia

23.3046, 19.4999, 91.3425

Deuteranopia

19.9669, 19.3236, 61.7089



Tritanopia

24.3493, 18.8695, 16.2687

Trichromacy



Original Color

34.9322, 19.0386, 67.4793



Protanomaly

21.9447, 15.8928, 82.0318



Deuteranomaly

22.1407, 16.8207, 63.7078



Tritanomaly

26.8751, 18.0686, 29.6749

Monochromacy



Original Color

34.9322, 19.0386, 67.4793



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

21.3522, 16.6889, 32.2329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9322, 19.0386, 67.4793 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, 61, 217)` looks like.

```
.text, #text, p{  
    color:rgb(188, 61, 217)  
}
```

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, 61, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 61, 217) }
```

Border

The CSS property to change the border of an element to XYZ 34.9322, 19.0386, 67.4793 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, 61, 217) }
```


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

```
.border{ border-color:rgb(188, 61, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 61, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 61, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 61, 217);  
box-shadow:4px 4px 4px 4px rgb(188, 61,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9322, 19.0386, 67.4793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 61, 217) }
```

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

```
.background{ background-color: rgb(188, 61,  
217) }
```

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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