

Converting Colors

XYZ(45.5223, 34.2869, 87.6100)

Have a look what the booklet for
XYZ(45.5223, 34.2869, 87.6100)
contains.

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Color

**XYZ(45.3885, 34.2199,
87.4319)**

Conversions

Conversions Part 1

Format	Color
Hex	BD86F1
RGB	189, 134, 241
RGB Percent	74%, 53%, 95%
CMY	0.2588, 0.4745, 0.0549
CMYK	0.22, 0.44, 0.00, 0.05
HSL	271°, 79%, 74%
HSV	271°, 44%, 95%
XYZ	45.3885, 34.2199, 87.4319
YIQ	162.6430, -1.5670, 44.9370

Conversions

Conversions Part 2

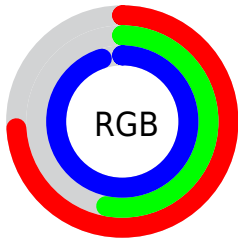
Format	Color
R _Y B	189, 134, 241
Decimal	12420849
CIE Lab	65.14, 41.09, -46.00
CIE LCh	65, 61.682, 311.770
Yxy	34.2199, 0.2717, 0.2049
Android (android.graphics.Color)	4290610929 (0xFFBD86F1)
YUV	162.6430, 38.6300, 23.1151
Hunter-Lab	58.4978, 36.1273, -47.6675

Details

The XYZ color **45.3885, 34.2199, 87.4319** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **56.0090, 75.0717, 34.0939**, and the grayscale version is **34.4702, 36.2653, 39.4929**.

A 20% lighter version of the original color is **74.3910, 62.9606, 102.8395**, and **21.4179, 14.6338, 47.0432** is the 20% darker color. If you saturate the color by 10%, you get **39.6405, 26.8632, 86.3155**, and if you desaturate by 10%, it is **52.1326, 43.2180, 88.8138**.

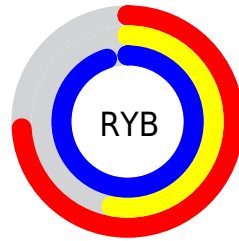
Distribution



Red (74%)

Green (53%)

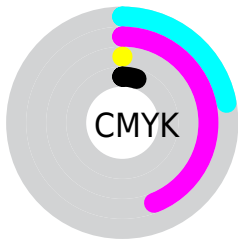
Blue (95%)



Red (74%)

Yellow (53%)

Blue (95%)

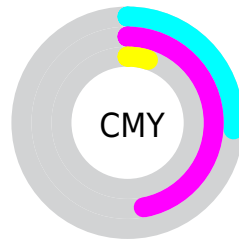


Cyan (22%)

Magenta (44%)

Yellow (0%)

Black (5%)



Cyan (26%)


Magenta (47%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3885, 34.2199, 87.4319 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 45.3885, 34.2199, 87.4319 by changing the saturation by 10% instead.


 45.3885, 34.2199,
87.4319


 45.3885, 34.2199,
87.4319


359.1020,
321.1115, 539.9941


 31.9661, 23.0626,
65.2910


 82.5366, 66.2755,
145.6702

 21.4910, 14.6397,
47.2443


 106.9930, 87.9425,
182.6046

 13.5979, 8.5669,
32.8731


 135.8581,
113.8816, 225.3074

 7.9214, 4.4598,
21.7589

169.4973,
144.4772, 274.1969

 4.0961, 1.9340,
13.4832

208.2759,
180.1135, 329.6918

 1.7566, 0.5687,
7.6275

252.5594,

 0.4913, 0.0000,

221.1751, 392.2106

3.7732

302.7129,
268.0463, 462.1718

■ 0.0000, 0.0000,
1.5018

■ 0.0000, 0.0000,
0.2192

■ 45.3885, 34.2199,
87.4319

■ 45.3885, 34.2199,
87.4319

■ 39.6405, 26.8632,
86.3155

■ 52.1326, 43.2180,
88.8138

■ 34.8270, 21.0366,
85.4445

■ 59.9216, 53.9509,
90.4750

■ 30.8848, 16.6209,
84.8000

■ 68.8053, 66.5095,
92.4308

■ 27.7396, 13.4763,
84.3588

■ 78.8292, 80.9770,
94.6950

■ 25.3016, 11.4326,
84.0928

■ 90.0359, 97.4316,
97.2804

■ 24.1721, 10.6270,
83.9968

■ 92.8773, 99.1309,
97.4586

Harmonies

Analogous

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



36.1633, 34.2199, 109.3338



45.3885, 34.2199, 87.4319



51.7617, 34.2199, 54.9024

Triad

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



45.3885, 34.2199, 87.4319



38.2111, 34.2199, 7.3152



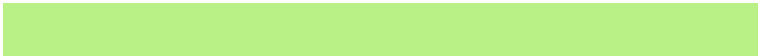
18.4190, 34.2199, 48.2447

Complementary

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



45.3885, 34.2199, 87.4319



56.0090, 75.0717, 34.0939

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.



18.7647, 34.2199, 23.8703



45.3885, 34.2199, 87.4319



29.1393, 34.2199, 6.8403

Square

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



45.3885, 34.2199, 87.4319



47.1225, 34.2199, 13.1271



22.3552, 34.2199, 11.2640



21.3042, 34.2199, 80.6789

Rectangle

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



45.3885, 34.2199, 87.4319



52.9366, 34.2199, 35.7579



22.3552, 34.2199, 11.2640



18.1780, 34.2199, 38.8029

Sweetspot

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



45.3898, 34.2213, 87.4327



79.6909, 77.7145, 105.4080



43.5864, 47.1737, 90.0278



16.5467, 15.9043, 22.4477



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.



45.3898, 34.2213, 87.4327



45.8142, 31.4767, 98.2687



60.6788, 42.1030, 88.1482



15.6722, 15.6282, 19.9121



13.2644, 5.8435, 45.5567



1.2183, 0.5453, 3.7953

Inverse Universe

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



53.6646, 39.2974, 51.2122



56.7515, 38.1821, 50.5716



45.5909, 69.7010, 33.6064



16.0929, 15.8869, 18.0454



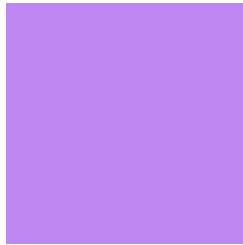
21.4841, 10.8661, 10.4660



1.8374, 0.9240, 1.1345

Previews

White Background



This preview shows how the XYZ color 45.3885, 34.2199, 87.4319 looks on a white background.

Color Contrast Check

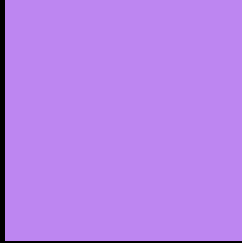
Large Text (above 18pt) WCAG AA × Fail

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 45.3885, 34.2199, 87.4319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

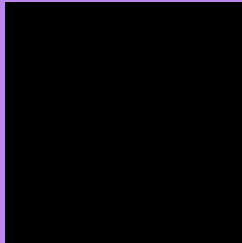
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.3885, 34.2199, 87.4319

Background



This preview shows how black text looks on a background with the XYZ color 45.3885, 34.2199, 87.4319.



This preview shows how white text looks on a background with the XYZ color 45.3885, 34.2199,

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

45.3885, 34.2199, 87.4319

Protanopia

37.3791, 34.5846, 99.3132

Deuteranopia

35.3657, 34.3810, 84.1291



Tritanopia

35.5820, 34.0077, 39.3391

Trichromacy



Original Color

45.3885, 34.2199, 87.4319

Protanomaly

39.1906, 33.6989, 94.8814

Deuteranomaly

38.2127, 33.8710, 85.4126

Tritanomaly

38.5854, 33.8361, 53.7876

Monochromacy



Original Color

45.3885, 34.2199, 87.4319

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

37.6455, 34.9887, 54.0596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3885, 34.2199, 87.4319 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(189, 134, 241)` looks like.

```
.text, #text, p{  
    color:rgb(189, 134, 241)  
}
```

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(189, 134, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 134, 241) }
```

Border

The CSS property to change the border of an element to XYZ 45.3885, 34.2199, 87.4319 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(189, 134, 241) }
```


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

```
.border{ border-color:rgb(189, 134, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 134, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 134, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 134, 241);  
box-shadow:4px 4px 4px 4px rgb(189, 134,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3885, 34.2199, 87.4319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 134, 241) }
```

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

```
.background{ background-color: rgb(189,  
134, 241) }
```

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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