

Converting Colors

XYZ(50.4158, 34.3096, 98.5729)

Have a look what the booklet for
XYZ(50.4158, 34.3096, 98.5729)
contains.

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Color

**XYZ(50.4631, 34.2609,
98.5611)**

Conversions

Conversions Part 1

Format	Color
Hex	CE7AFF
RGB	206, 122, 255
RGB Percent	81%, 48%, 100%
CMY	0.1921, 0.5216, 0.0000
CMYK	0.19, 0.52, 0.00, 0.00
HSL	278°, 100%, 74%
HSV	278°, 52%, 100%
XYZ	50.4631, 34.2609, 98.5611
YIQ	162.2780, 7.3710, 59.1710

Conversions

Conversions Part 2

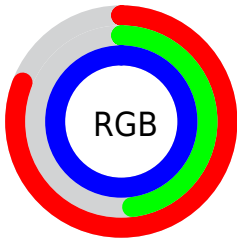
Format	Color
R _Y B	206, 122, 255
Decimal	13531903
CIE _{Lab}	65.17, 55.00, -53.52
CIE _{LCh}	65, 76.746, 315.781
Yxy	34.2609, 0.2753, 0.1869
Android (android.graphics.Color)	4291721983 (0xFFCE7AFF)
YUV	162.2780, 45.7119, 38.3442
Hunter-Lab	58.5328, 51.4584, -58.8631

Details

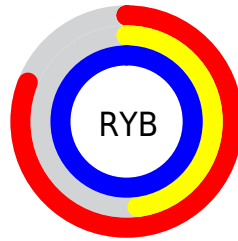
The XYZ color **50.4631, 34.2609, 98.5611** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **56.0680, 81.5834, 31.2057**, and the grayscale version is **34.2641, 36.0485, 39.2569**.

A 20% lighter version of the original color is **75.0121, 59.9243, 102.2207**, and **24.7156, 14.7230, 54.9653** is the 20% darker color. If you saturate the color by 10%, you get **45.2024, 27.4955, 97.5325**, and if you desaturate by 10%, it is **56.7033, 42.7518, 99.8711**.

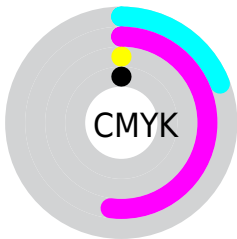
Distribution



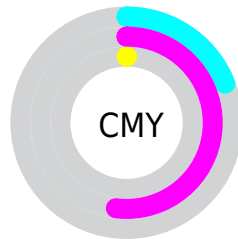
- Red (81%)
- Green (48%)
- Blue (100%)



- Red (81%)
- Yellow (48%)
- Blue (100%)



- Cyan (19%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)





- Cyan (19%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4631, 34.2609, 98.5611 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 50.4631, 34.2609, 98.5611 by changing the saturation by 10% instead.


 50.4631, 34.2609,
98.5611


 50.4631, 34.2609,
98.5611


378.8963,
321.2938, 576.7767


 36.0008, 23.0941,
74.4892


 90.0484, 66.3392,
161.2130

 24.6049, 14.6630,
54.6953


 115.9021, 88.0195,
200.6301

 15.9101, 8.5832,
38.7609


 146.2836,
113.9730, 245.9993

 9.5510, 4.4703,
26.2674

181.5583,
144.5842, 297.7393

 5.1623, 1.9400,
16.7962

222.0916,
180.2376, 356.2684

 2.3785, 0.5723,
9.9289

268.2488,

 0.8344, 0.0000,

221.3173, 422.0054

5.2468

320.3952,
268.2080, 495.3686

■ 0.0000, 0.0000,
2.3315

■ 0.0000, 0.0000,
0.7488

■ 50.4631, 34.2609,
98.5611

■ 50.4631, 34.2609,
98.5611

■ 45.2024, 27.4955,
97.5325

■ 56.7033, 42.7518,
99.8711

■ 40.8492, 22.3187,
96.7627

■ 63.9807, 53.0828,
101.4816

■ 37.3263, 18.5790,
96.2265

■ 72.3523, 65.3629,
103.4107

■ 34.5391, 16.0919,
95.8934

■ 81.8696, 79.6917,
105.6748

■ 32.7589, 14.8027,
95.7384

■ 92.5807, 96.1614,
108.2892

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



38.7467, 34.2609, 133.0125



50.4631, 34.2609, 98.5611



58.0671, 34.2609, 54.5003

Triad

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



50.4631, 34.2609, 98.5611



38.1162, 34.2609, 3.8338



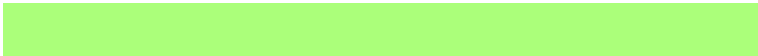
15.9890, 34.2609, 56.6089

Complementary

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



50.4631, 34.2609, 98.5611



56.0680, 81.5834, 31.2057

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.



15.8950, 34.2609, 24.1692



50.4631, 34.2609, 98.5611



27.0766, 34.2609, 3.9296

Square

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



50.4631, 34.2609, 98.5611



49.9116, 34.2609, 8.3420



19.4937, 34.2609, 8.7857



19.7888, 34.2609, 100.8407

Rectangle

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



50.4631, 34.2609, 98.5611



58.8759, 34.2609, 31.4572



19.4937, 34.2609, 8.7857



15.5580, 34.2609, 43.8344

Sweetspot

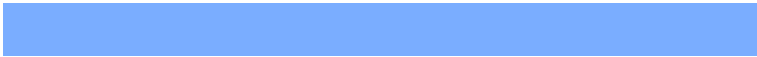
The Sweet Spot groups the original color and five complimentary colors.



50.4643, 34.2622, 98.5613



78.0718, 73.9342, 104.7636



41.0175, 41.2396, 100.4059



16.2907, 15.1926, 22.3238



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.



50.4643, 34.2622, 98.5613



44.8006, 26.9987, 97.4578



63.8516, 41.4407, 86.6701



18.1059, 17.9463, 22.7597



17.2874, 7.8225, 50.0333



1.8037, 0.8237, 4.8772

Inverse Universe

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



55.5509, 38.1204, 42.9590



51.0680, 31.6454, 33.7861



48.3394, 77.4790, 36.2702



18.2860, 18.0977, 20.1234



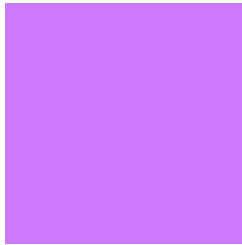
22.6688, 11.5568, 6.9065



2.2577, 1.1455, 0.9385

Previews

White Background



This preview shows how the XYZ color 50.4631, 34.2609, 98.5611 looks on a white background.

Color Contrast Check

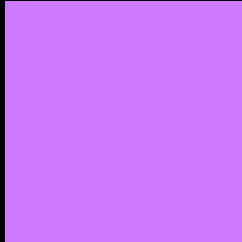
Large Text (above 18pt) WCAG AA × Fail

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 50.4631, 34.2609, 98.5611 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 50.4631, 34.2609, 98.5611

Background



This preview shows how black text looks on a background with the XYZ color 50.4631, 34.2609, 98.5611.



This preview shows how white text looks on a background with the XYZ color 50.4631, 34.2609,

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

50.4631, 34.2609, 98.5611

Protanopia

37.2426, 34.5142, 99.3068

Deuteranopia

35.6005, 34.5460, 93.5986



Tritanopia

37.9363, 34.1028, 36.9308

Trichromacy



Original Color

50.4631, 34.2609, 98.5611



Protanomaly

40.4501, 33.3490, 98.9128



Deuteranomaly

39.2150, 33.2356, 95.6150



Tritanomaly

41.3362, 33.4773, 54.7352

Monochromacy



Original Color

50.4631, 34.2609, 98.5611



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

38.7576, 34.3179, 56.8058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4631, 34.2609, 98.5611 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(206, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 122, 255)  
}
```

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(206, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 122, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.4631, 34.2609, 98.5611 is called "border". The border property can be set on classes, ids or directly on the HTML element.

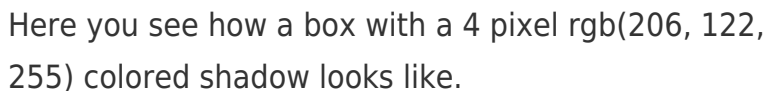
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 122, 255) }
```


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

```
.border{ border-color:rgb(206, 122, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 122, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 122, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 122, 255); box-shadow:4px 4px 4px 4px rgb(206, 122, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4631, 34.2609, 98.5611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 122, 255) }
```

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

```
.background{ background-color: rgb(206,  
122, 255) }
```

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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