

Converting Colors

XYZ(50.0006, 34.5683, 98.6448)

Have a look what the booklet for
XYZ(50.0006, 34.5683, 98.6448)
contains.

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Color

**XYZ(50.0122, 34.5837,
98.6471)**

Conversions

Conversions Part 1

Format	Color
Hex	CB7DFF
RGB	203, 125, 255
RGB Percent	80%, 49%, 100%
CMY	0.2039, 0.5098, 0.0000
CMYK	0.20, 0.51, 0.00, 0.00
HSL	276°, 100%, 75%
HSV	276°, 51%, 100%
XYZ	50.0122, 34.5837, 98.6471
YIQ	163.1420, 4.7580, 56.9660

Conversions

Conversions Part 2

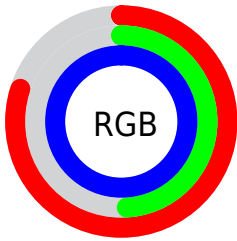
Format	Color
RYB	203, 125, 255
Decimal	13336063
CIELab	65.42, 52.70, -53.14
CIELCh	65, 74.840, 314.760
Yxy	34.5837, 0.2729, 0.1887
Android (android.graphics.Color)	4291526143 (0xFFCB7DFF)
YUV	163.1420, 45.2860, 34.9555
Hunter-Lab	58.8079, 48.8885, -58.2902

Details

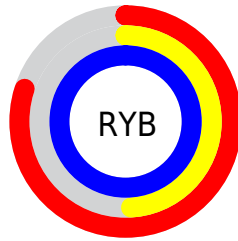
The XYZ color **50.0122, 34.5837, 98.6471** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **57.5935, 82.3480, 32.2625**, and the grayscale version is **34.6723, 36.4779, 39.7245**.

A 20% lighter version of the original color is **75.6113, 61.1225, 102.4204**, and **24.3645, 14.8229, 55.0030** is the 20% darker color. If you saturate the color by 10%, you get **44.5018, 27.5510, 97.5801**, and if you desaturate by 10%, it is **56.5362, 43.3702, 99.9992**.

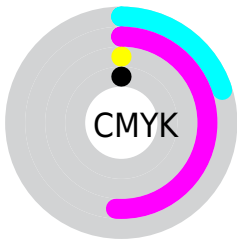
Distribution



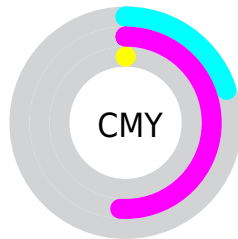
- Red (80%)
- Green (49%)
- Blue (100%)



- Red (80%)
- Yellow (49%)
- Blue (100%)



- Cyan (20%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0122, 34.5837, 98.6471 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 50.0122, 34.5837, 98.6471 by changing the saturation by 10% instead.


 50.0122, 34.5837,
98.6471


 50.0122, 34.5837,
98.6471


377.1648,
322.7270, 577.0560


 35.6409, 23.3424,
74.5606


 89.3847, 66.8403,
161.3324

 24.3258, 14.8465,
54.7534


 115.1166, 88.6245,
200.7682

 15.7015, 8.7117,
38.8071


 145.3661,
114.6916, 246.1576

 9.4027, 4.5536,
26.3030

180.4985,
145.4262, 297.9190

 5.0640, 1.9878,
16.8227

220.8793,
181.2127, 356.4710

 2.3200, 0.6004,
9.9475

266.8737,

 0.8049, 0.0000,

222.4353, 422.2321

5.2590

318.8471,
269.4786, 495.6209

■ 0.0000, 0.0000,
2.3386

■ 0.0000, 0.0000,
0.7527

■ 50.0122, 34.5837,
98.6471

■ 50.0122, 34.5837,
98.6471

■ 44.5018, 27.5510,
97.5801

■ 56.5362, 43.3702,
99.9992

■ 39.9332, 22.1367,
96.7758

■ 64.1316, 54.0240,
101.6553

■ 36.2296, 18.1917,
96.2096

■ 72.8554, 66.6536,
103.6333

■ 33.2982, 15.5357,
95.8514

■ 82.7595, 81.3578,
105.9495

■ 31.1874, 13.9926,
95.6648

93.8923, 98.2286,
108.6191

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.



38.5246, 34.5837, 131.0716



50.0122, 34.5837, 98.6471



57.6201, 34.5837, 55.8078

Triad

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



50.0122, 34.5837, 98.6471



38.7138, 34.5837, 4.3130



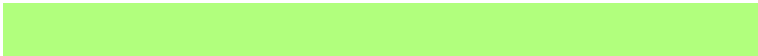
16.4413, 34.5837, 55.1776

Complementary

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



50.0122, 34.5837, 98.6471



57.5935, 82.3480, 32.2625

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.



16.4700, 34.5837, 23.9403



50.0122, 34.5837, 98.6471



27.7991, 34.5837, 4.2824

Square

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



50.0122, 34.5837, 98.6471



50.1769, 34.5837, 9.1765



20.1759, 34.5837, 9.0382



20.0862, 34.5837, 97.9717

Rectangle

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



50.0122, 34.5837, 98.6471



58.5951, 34.5837, 32.8758



20.1759, 34.5837, 9.0382



16.0528, 34.5837, 42.8779

Sweetspot

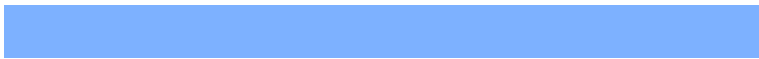
The Sweet Spot groups the original color and five complimentary colors.



50.0134, 34.5850, 98.6473



78.6320, 75.1898, 104.9765



42.2305, 43.0254, 100.6867



16.3841, 15.4311, 22.3649



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.



50.0134, 34.5850, 98.6473



44.4913, 27.5380, 97.5782



64.6011, 42.3390, 88.7721



18.0485, 17.9167, 22.7570



16.4692, 7.4007, 49.9950



1.7269, 0.7842, 4.8736

Inverse Universe

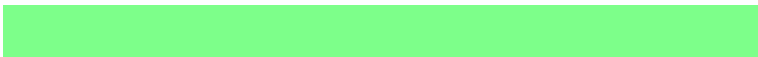
The Inverse Universe completely reimagines the original color for something new.



56.5100, 39.1025, 46.1645



52.2367, 32.8660, 37.6187



48.8056, 77.7153, 36.4742



18.3104, 18.1075, 20.2516



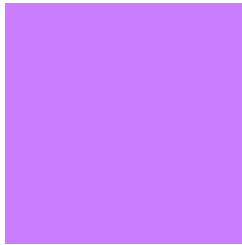
22.8707, 11.6376, 7.9695



2.2790, 1.1540, 1.0508

Previews

White Background



This preview shows how the XYZ color 50.0122, 34.5837, 98.6471 looks on a white background.

Color Contrast Check

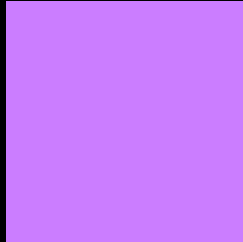
Large Text (above 18pt) WCAG AA × Fail

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 50.0122, 34.5837, 98.6471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

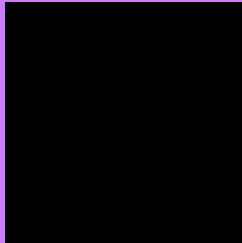
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.0122, 34.5837, 98.6471

Background



This preview shows how black text looks on a background with the XYZ color 50.0122, 34.5837, 98.6471.



This preview shows how white text looks on a background with the XYZ color 50.0122, 34.5837,

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

50.0122, 34.5837, 98.6471

Protanopia

37.6842, 34.9900, 99.3753

Deuteranopia

36.0235, 35.0183, 93.6675



Tritanopia

37.6741, 34.4092, 37.9137

Trichromacy



Original Color

50.0122, 34.5837, 98.6471



Protanomaly

40.7531, 33.9548, 99.0138



Deuteranomaly

39.5234, 33.8522, 95.7178



Tritanomaly

41.2207, 34.0338, 56.0264

Monochromacy



Original Color

50.0122, 34.5837, 98.6471



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

39.0713, 34.9454, 56.9104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0122, 34.5837, 98.6471 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(203, 125, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 125, 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(203, 125, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 125, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.0122, 34.5837, 98.6471 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(203, 125, 255) }
```


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

```
.border{ border-color:rgb(203, 125, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 125, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 125, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 125, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 125,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0122, 34.5837, 98.6471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 125, 255) }
```

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

```
.background{ background-color: rgb(203,  
125, 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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