

Converting Colors

XYZ(49.4413, 35.1916, 98.7946)

Have a look what the booklet for
XYZ(49.4413, 35.1916, 98.7946)
contains.

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Color

**XYZ(49.5858, 35.3274,
98.8131)**

Conversions

Conversions Part 1

Format	Color
Hex	C782FF
RGB	199, 130, 255
RGB Percent	78%, 51%, 100%
CMY	0.2196, 0.4902, 0.0000
CMYK	0.22, 0.49, 0.00, 0.00
HSL	273°, 100%, 75%
HSV	273°, 49%, 100%
XYZ	49.5858, 35.3274, 98.8131
YIQ	164.8810, 0.9990, 53.5030

Conversions

Conversions Part 2

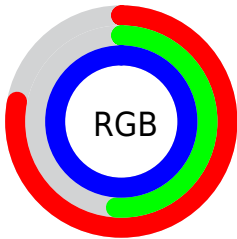
Format	Color
RYB	199, 130, 255
Decimal	13075199
CIELab	66.00, 49.05, -52.25
CIELCh	66, 71.665, 313.190
Yxy	35.3274, 0.2699, 0.1923
Android (android.graphics.Color)	4291265279 (0xFFC782FF)
YUV	164.8810, 44.4287, 29.9224
Hunter-Lab	59.4369, 44.9009, -56.9632

Details

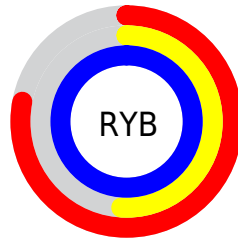
The XYZ color **49.5858, 35.3274, 98.8131** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **60.0395, 83.5710, 34.0868**, and the grayscale version is **35.5020, 37.3509, 40.6751**.

A 20% lighter version of the original color is **76.6390, 63.1779, 102.7630**, and **24.0728, 15.2768, 55.1060** is the 20% darker color. If you saturate the color by 10%, you get **43.6866, 27.8603, 97.6828**, and if you desaturate by 10%, it is **56.5553, 44.5951, 100.2347**.

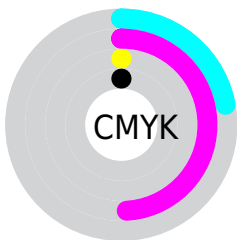
Distribution



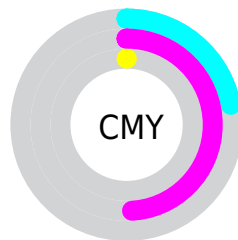
- Red (78%)
- Green (51%)
- Blue (100%)



- Red (78%)
- Yellow (51%)
- Blue (100%)



- Cyan (22%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5858, 35.3274, 98.8131 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 49.5858, 35.3274, 98.8131 by changing the saturation by 10% instead.


 49.5858, 35.3274,
98.8131

 49.5858, 35.3274,
98.8131

375.5228,
326.0111, 577.5948

 35.3008, 23.9152,
74.6983


 88.7564, 67.9927,
161.5628

 24.0623, 15.2707,
54.8655


 114.3727, 90.0145,
201.0348

 15.5048, 9.0096,
38.8962

 144.4969,
116.3416, 246.4629

 9.2631, 4.7474,
26.3718

179.4942,
147.3585, 298.2657

 4.9716, 2.0999,
16.8737

219.7302,
183.4495, 356.8618

 2.2652, 0.6645,
9.9835

265.5700,

 0.7768, 0.0000,

224.9990, 422.6696

5.2826

317.3791,
272.3914, 496.1078

■ 0.0000, 0.0000,
2.3524

■ 0.0000, 0.0000,
0.7603

■ 49.5858, 35.3274,
98.8131

■ 49.5858, 35.3274,
98.8131

■ 43.6866, 27.8603,
97.6828

■ 56.5553, 44.5951,
100.2347

■ 38.7859, 22.0607,
96.8216

■ 64.6530, 55.7753,
101.9659

■ 34.8074, 17.7829,
96.2056

■ 73.9366, 68.9754,
104.0244

■ 31.6604, 14.8530,
95.8060

■ 84.4585, 84.2935,
106.4266

■ 29.2126, 13.0149,
95.5802

95.0500, 100.0000,
108.9000

■ 28.9941, 12.8619,
95.5622

Harmonies

Analogous

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



38.4571, 35.3274, 128.1433



49.5858, 35.3274, 98.8131



57.1690, 35.3274, 57.9818

Triad

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



49.5858, 35.3274, 98.8131



39.8372, 35.3274, 5.2472



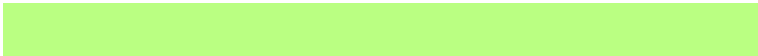
17.3597, 35.3274, 53.4162

Complementary

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



49.5858, 35.3274, 98.8131



60.0395, 83.5710, 34.0868

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.



17.5756, 35.3274, 23.9084



49.5858, 35.3274, 98.8131



29.1294, 35.3274, 4.9979

Square

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



49.5858, 35.3274, 98.8131



50.7780, 35.3274, 10.7143



21.4491, 35.3274, 9.6384



20.7797, 35.3274, 93.9940

Rectangle

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



49.5858, 35.3274, 98.8131



58.3766, 35.3274, 35.3011



21.4491, 35.3274, 9.6384



17.0350, 35.3274, 41.8136

Sweetspot

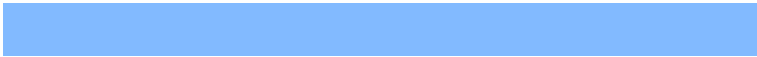
The Sweet Spot groups the original color and five complimentary colors.



49.5871, 35.3288, 98.8133



78.0128, 74.8706, 104.9475



44.8686, 47.1902, 101.3515



16.2348, 15.3542, 22.3579



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.



49.5871, 35.3288, 98.8133



43.6964, 27.8723, 97.6846



66.2831, 44.0502, 94.4274



17.9618, 17.8720, 22.7529



15.3246, 6.8106, 49.9415



1.6179, 0.7280, 4.8685

Inverse Universe

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



58.0862, 40.7715, 51.2631



53.6875, 34.2484, 42.7857



49.4285, 78.0509, 35.8473



18.3476, 18.1223, 20.4476



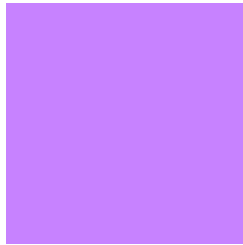
23.2156, 11.7755, 9.7856



2.3145, 1.1682, 1.2375

Previews

White Background



This preview shows how the XYZ color 49.5858, 35.3274, 98.8131 looks on a white background.

Color Contrast Check

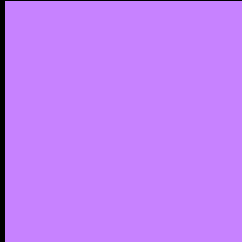
Large Text (above 18pt) WCAG AA × Fail

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 49.5858, 35.3274, 98.8131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

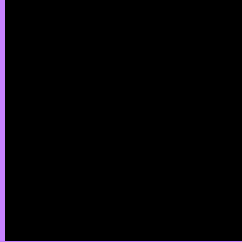
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5858, 35.3274, 98.8131

Background



This preview shows how black text looks on a background with the XYZ color 49.5858, 35.3274, 98.8131.



This preview shows how white text looks on a background with the XYZ color 49.5858, 35.3274,

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

49.5858, 35.3274, 98.8131

Protanopia

38.3029, 35.8113, 99.5012

Deuteranopia

36.7399, 35.6260, 94.5626



Tritanopia

37.6962, 35.3272, 39.9540

Trichromacy



Original Color

49.5858, 35.3274, 98.8131



Protanomaly

41.2176, 34.8838, 99.1686



Deuteranomaly

40.0141, 34.5709, 95.8307

Tritanomaly

41.0376, 34.7966, 57.3768

Monochromacy



Original Color

49.5858, 35.3274, 98.8131



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

39.5527, 35.8808, 58.2671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5858, 35.3274, 98.8131 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(199, 130, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 130, 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(199, 130, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 130, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.5858, 35.3274, 98.8131 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(199, 130, 255) }
```


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

```
.border{ border-color:rgb(199, 130, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 130, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 130, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 130, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 130,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5858, 35.3274, 98.8131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 130, 255) }
```

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

```
.background{ background-color: rgb(199,  
130, 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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