

Converting Colors

XYZ(50.1926, 35.2840, 98.7728)

Have a look what the booklet for
XYZ(50.1926, 35.2840, 98.7728)
contains.

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Color

**XYZ(50.1263, 35.2149,
98.7630)**

Conversions

Conversions Part 1

Format	Color
Hex	CA80FF
RGB	202, 128, 255
RGB Percent	79%, 50%, 100%
CMY	0.2078, 0.4980, 0.0000
CMYK	0.21, 0.50, 0.00, 0.00
HSL	275°, 100%, 75%
HSV	275°, 50%, 100%
XYZ	50.1263, 35.2149, 98.7630
YIQ	164.6040, 3.3370, 55.1850

Conversions

Conversions Part 2

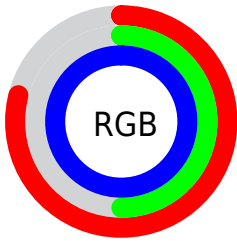
Format	Color
RYB	202, 128, 255
Decimal	13271295
CIELab	65.92, 50.88, -52.37
CIELCh	66, 73.016, 314.176
Yxy	35.2149, 0.2723, 0.1913
Android (android.graphics.Color)	4291461375 (0xFFCA80FF)
YUV	164.6040, 44.5652, 32.7963
Hunter-Lab	59.3421, 46.9302, -57.1367

Details

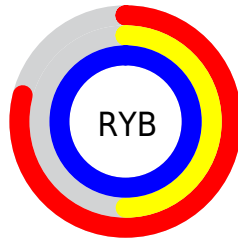
The XYZ color **50.1263, 35.2149, 98.7630** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **58.7128, 82.9025, 33.3306**, and the grayscale version is **35.3685, 37.2104, 40.5221**.

A 20% lighter version of the original color is **76.2235, 62.3470, 102.6245**, and **24.4545, 15.2658, 55.0838** is the 20% darker color. If you saturate the color by 10%, you get **44.4279, 27.9453, 97.6601**, and if you desaturate by 10%, it is **56.8613, 44.2607, 100.1540**.

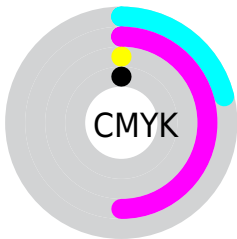
Distribution



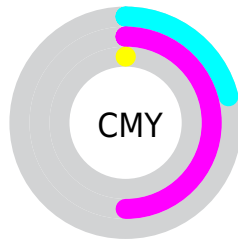
- Red (79%)
- Green (50%)
- Blue (100%)



- Red (79%)
- Yellow (50%)
- Blue (100%)



- Cyan (21%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (21%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1263, 35.2149, 98.7630 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 50.1263, 35.2149, 98.7630 by changing the saturation by 10% instead.


 50.1263, 35.2149,
98.7630


 50.1263, 35.2149,
98.7630

377.6035,
325.5159, 577.4322

 35.7320, 23.8285,
74.6568


 89.5527, 67.8185,
161.4932

 24.3964, 15.2064,
54.8317


 115.3154, 89.8045,
200.9543

 15.7543, 8.9644,
38.8693


 145.5984,
116.0925, 246.3708

 9.4402, 4.7180,
26.3510

180.7669,
147.0669, 298.1611

 5.0888, 2.0827,
16.8583

221.1863,
183.1120, 356.7438

 2.3347, 0.6549,
9.9726

267.2220,

 0.8124, 0.0000,

224.6123, 422.5376

5.2754

319.2392,
271.9521, 495.9609

■ 0.0000, 0.0000,
2.3482

■ 0.0000, 0.0000,
0.7580

■ 50.1263, 35.2149,
98.7630

■ 50.1263, 35.2149,
98.7630

■ 44.4279, 27.9453,
97.6601

■ 56.8613, 44.2607,
100.1540

■ 39.6946, 22.3182,
96.8234

■ 64.6904, 55.1951,
101.8519

■ 35.8505, 18.1867,
96.2286

■ 73.6706, 68.1257,
103.8745

■ 32.8043, 15.3746,
95.8464

■ 83.8537, 83.1507,
106.2379

■ 30.4126, 13.6013, 95.0500, 100.0000,
95.6301 108.9000

■ 30.3689, 13.5706,
95.6265

Harmonies

Analogous

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



38.8179, 35.2149, 129.7299



50.1263, 35.2149, 98.7630



57.6868, 35.2149, 56.9527

Triad

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



50.1263, 35.2149, 98.7630



39.4582, 35.2149, 4.8682



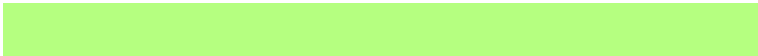
17.1051, 35.2149, 54.8286

Complementary

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



50.1263, 35.2149, 98.7630



58.7128, 82.9025, 33.3306

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.



17.2041, 35.2149, 24.3055



50.1263, 35.2149, 98.7630



28.6386, 35.2149, 4.7572

Square

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



50.1263, 35.2149, 98.7630



50.6812, 35.2149, 10.0387



20.9856, 35.2149, 9.5518



20.6778, 35.2149, 96.5075

Rectangle

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



50.1263, 35.2149, 98.7630



58.7452, 35.2149, 34.1736



20.9856, 35.2149, 9.5518



16.7388, 35.2149, 42.8386

Sweetspot

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



50.1275, 35.2163, 98.7631



78.4078, 75.0742, 104.9660



43.8934, 45.6911, 101.1136



16.3300, 15.4032, 22.3624



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.



50.1275, 35.2163, 98.7631



44.3253, 27.8187, 97.6411



65.6762, 43.3859, 92.5316



18.0172, 17.9006, 22.7555



16.0424, 7.1807, 49.9751



1.6865, 0.7634, 4.8717

Inverse Universe

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



57.3002, 40.0355, 48.4241



52.8604, 33.5104, 39.6859



49.1401, 77.9005, 35.9145



18.3238, 18.1128, 20.3222



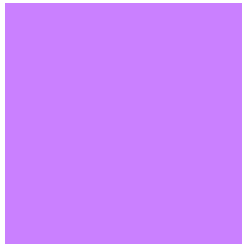
22.9898, 11.6852, 8.5967



2.2914, 1.1589, 1.1160

Previews

White Background



This preview shows how the XYZ color 50.1263, 35.2149, 98.7630 looks on a white background.

Color Contrast Check

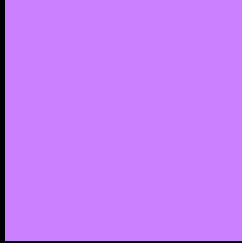
Large Text (above 18pt) WCAG AA × Fail

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 50.1263, 35.2149, 98.7630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

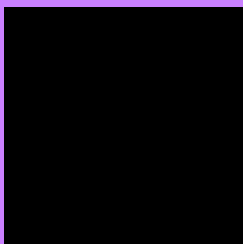
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.1263, 35.2149, 98.7630

Background



This preview shows how black text looks on a background with the XYZ color 50.1263, 35.2149, 98.7630.



This preview shows how white text looks on a background with the XYZ color 50.1263, 35.2149,

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

50.1263, 35.2149, 98.7630

Protanopia

38.1330, 35.4715, 99.4446

Deuteranopia

36.7399, 35.6260, 94.5626



Tritanopia

37.9215, 34.9861, 38.9367

Trichromacy



Original Color

50.1263, 35.2149, 98.7630



Protanomaly

41.0914, 34.3571, 99.0736



Deuteranomaly

40.0351, 34.3479, 95.7865

Tritanomaly

41.3750, 34.5380, 56.7103

Monochromacy



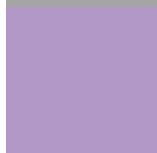
Original Color

50.1263, 35.2149, 98.7630



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

39.7814, 35.9987, 58.2778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1263, 35.2149, 98.7630 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(202, 128, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 128, 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(202, 128, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 128, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.1263, 35.2149, 98.7630 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(202, 128, 255) }
```


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

```
.border{ border-color:rgb(202, 128, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 128, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 128, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 128, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 128,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1263, 35.2149, 98.7630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 128, 255) }
```

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

```
.background{ background-color: rgb(202,  
128, 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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