

Converting Colors

XYZ(51.2474, 35.6969, 98.7969)

Have a look what the booklet for
XYZ(51.2474, 35.6969, 98.7969)
contains.

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Color

**XYZ(51.2228, 35.7802,
98.8143)**

Conversions

Conversions Part 1

Format	Color
Hex	CE80FF
RGB	206, 128, 255
RGB Percent	81%, 50%, 100%
CMY	0.1921, 0.4980, 0.0000
CMYK	0.19, 0.50, 0.00, 0.00
HSL	277°, 100%, 75%
HSV	277°, 50%, 100%
XYZ	51.2228, 35.7802, 98.8143
YIQ	165.8000, 5.7210, 56.0330

Conversions

Conversions Part 2

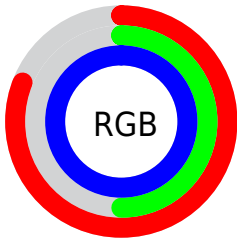
Format	Color
R _Y B	206, 128, 255
Decimal	13533439
CIE Lab	66.35, 51.93, -51.65
CIE LCh	66, 73.240, 315.154
Yxy	35.7802, 0.2757, 0.1926
Android (android.graphics.Color)	4291723519 (0xFFCE80FF)
YUV	165.8000, 43.9756, 35.2554
Hunter-Lab	59.8166, 48.1762, -56.0729

Details

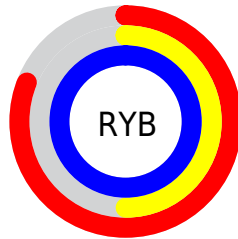
The XYZ color **51.2228, 35.7802, 98.8143** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **57.7883, 82.4259, 33.2875**, and the grayscale version is **35.9429, 37.8147, 41.1802**.

A 20% lighter version of the original color is **76.2235, 62.3470, 102.6245**, and **25.1035, 15.4989, 55.0946** is the 20% darker color. If you saturate the color by 10%, you get **45.6588, 28.5799, 97.7177**, and if you desaturate by 10%, it is **57.7959, 44.7425, 100.1977**.

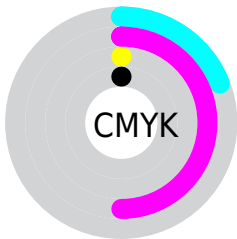
Distribution



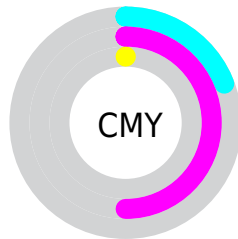
- Red (81%)
- Green (50%)
- Blue (100%)



- Red (81%)
- Yellow (50%)
- Blue (100%)



- Cyan (19%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (19%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2228, 35.7802, 98.8143 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 51.2228, 35.7802, 98.8143 by changing the saturation by 10% instead.


 51.2228, 35.7802,
98.8143


 51.2228, 35.7802,
98.8143

381.8022,
327.9988, 577.5987

 36.6077, 24.2645,
74.6993


 91.1651, 68.6927,
161.5644

 25.0762, 15.5299,
54.8664


 117.2229, 90.8582,
201.0367

 16.2629, 9.1921,
38.8969

 147.8258,
117.3425, 246.4651

 9.8024, 4.8667,
26.3723

183.3390,
148.5299, 298.2682

 5.3294, 2.1693,
16.8741

224.1279,
184.8049, 356.8646

 2.4785, 0.7032,
9.9838

270.5578,

 0.8844, 0.0000,

226.5517, 422.6728

5.2827

322.9941,
274.1549, 496.1113

■ 0.0000, 0.0000,
2.3525

■ 0.0000, 0.0000,
0.7604

■ 51.2228, 35.7802,
98.8143

■ 51.2228, 35.7802,
98.8143

■ 45.6588, 28.5799,
97.7177

■ 57.7959, 44.7425,
100.1977

■ 41.0332, 23.0083,
96.8861

■ 65.4345, 55.5788,
101.8867

■ 37.2709, 18.9190,
96.2951

■ 74.1950, 68.3962,
103.8990

■ 34.2818, 16.1363,
95.9155

■ 84.1285, 83.2925,
106.2507

■ 31.9232, 14.3800, 95.0500, 100.0000,
95.7008 108.9000

■ 31.8799, 14.3496,
95.6972

Harmonies

Analogous

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



39.8130, 35.7802, 130.9308



51.2228, 35.7802, 98.8143



58.6840, 35.7802, 56.5372

Triad

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



51.2228, 35.7802, 98.8143



39.6919, 35.7802, 4.9107



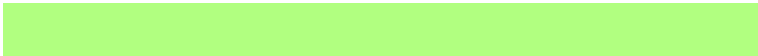
17.4673, 35.7802, 56.9390

Complementary

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



51.2228, 35.7802, 98.8143



57.7883, 82.4259, 33.2875

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.



17.4485, 35.7802, 25.4631



51.2228, 35.7802, 98.8143



28.7966, 35.7802, 4.9318

Square

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



51.2228, 35.7802, 98.8143



51.1178, 35.7802, 9.9413



21.1599, 35.7802, 10.0337



21.2182, 35.7802, 99.2407

Rectangle

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



51.2228, 35.7802, 98.8143



59.5770, 35.7802, 33.7900



21.1599, 35.7802, 10.0337



17.0557, 35.7802, 44.6290

Sweetspot

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



51.2240, 35.7816, 98.8145



78.8160, 75.2847, 104.9851



43.0332, 43.9706, 100.8268



16.4285, 15.4540, 22.3670



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.



51.2240, 35.7816, 98.8145



45.5585, 28.4545, 97.6988



65.0319, 43.1283, 89.1382



18.0742, 17.9300, 22.7582



16.8299, 7.5866, 50.0119



1.7609, 0.8017, 4.8752

Inverse Universe

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



56.8956, 39.8738, 46.2933



52.4271, 33.3370, 37.4036



49.4484, 78.0238, 37.5377



18.2994, 18.1031, 20.1940



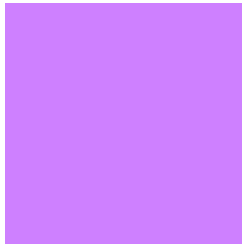
22.7777, 11.6004, 7.4797



2.2693, 1.1501, 0.9994

Previews

White Background



This preview shows how the XYZ color 51.2228, 35.7802, 98.8143 looks on a white background.

Color Contrast Check

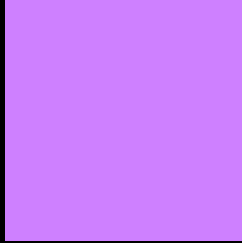
Large Text (above 18pt) WCAG AA × Fail

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 51.2228, 35.7802, 98.8143 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 51.2228, 35.7802, 98.8143

Background



This preview shows how black text looks on a background with the XYZ color 51.2228, 35.7802, 98.8143.



This preview shows how white text looks on a background with the XYZ color 51.2228, 35.7802,

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

51.2228, 35.7802, 98.8143

Protanopia

38.7603, 36.3014, 99.5717

Deuteranopia

37.1594, 36.1186, 93.8200



Tritanopia

38.9138, 35.4977, 38.9832

Trichromacy



Original Color

51.2228, 35.7802, 98.8143



Protanomaly

41.9663, 35.2698, 99.2036



Deuteranomaly

40.7377, 34.9440, 95.8645

Tritanomaly

42.4018, 35.0673, 56.7584

Monochromacy



Original Color

51.2228, 35.7802, 98.8143



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

40.4773, 36.3574, 58.3104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2228, 35.7802, 98.8143 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, 128, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 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(206, 128, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 128, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.2228, 35.7802, 98.8143 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, 128, 255) }
```


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

```
.border{ border-color:rgb(206, 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(206, 128, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 128, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 128, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 128,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2228, 35.7802, 98.8143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 128, 255) }
```

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

```
.background{ background-color: rgb(206,  
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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