

Converting Colors

XYZ(67.9523, 45.1309,
188.5408)

Have a look what the booklet for
XYZ(67.9523, 45.1309, 188.5408)
contains.

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Color

**XYZ(51.1281, 38.4119,
99.3272)**

Conversions

Conversions Part 1

Format	Color
Hex	C78DFF
RGB	199, 141, 255
RGB Percent	78%, 55%, 100%
CMY	0.2196, 0.4470, 0.0000
CMYK	0.22, 0.45, 0.00, 0.00
HSL	271°, 100%, 78%
HSV	271°, 45%, 100%
XYZ	51.1281, 38.4119, 99.3272
YIQ	171.3380, -2.0260, 47.7500

Conversions

Conversions Part 2

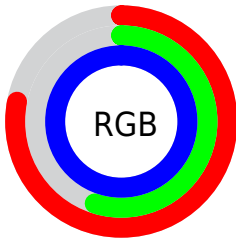
Format	Color
R_{YB}	199, 141, 255
Decimal	13078015
CIE _{Lab}	68.32, 43.18, -48.58
CIE _{LCh}	68, 64.999, 311.629
Yxy	38.4119, 0.2707, 0.2034
Android (android.graphics.Color)	4291268095 (0xFFC78DFF)
YUV	171.3380, 41.2454, 24.2596
Hunter-Lab	61.9773, 38.7929, -51.6362

Details

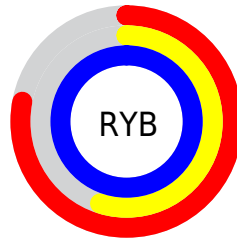
The XYZ color **51.1281, 38.4119, 99.3272** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **63.5942, 85.3136, 38.3162**, and the grayscale version is **38.6796, 40.6940, 44.3157**.

A 20% lighter version of the original color is **79.0299, 67.9599, 103.5600**, and **25.0931, 17.0616, 55.3967** is the 20% darker color. If you saturate the color by 10%, you get **44.6041, 30.0956, 98.0659**, and if you desaturate by 10%, it is **58.7938, 48.6031, 100.8903**.

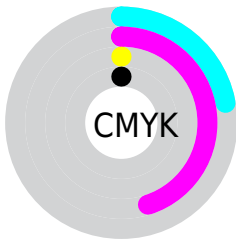
Distribution



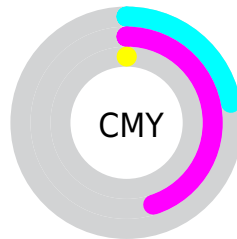
- Red (78%)
- Green (55%)
- Blue (100%)



- Red (78%)
- Yellow (55%)
- Blue (100%)



- Cyan (22%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1281, 38.4119, 99.3272 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 51.1281, 38.4119, 99.3272 by changing the saturation by 10% instead.


 51.1281, 38.4119,
99.3272


 51.1281, 38.4119,
99.3272


381.4407,
339.3836, 579.2617

 36.5320, 26.3025,
75.1250


 91.0260, 72.7390,
162.2761

 25.0174, 17.0501,
55.2130


 117.0585, 95.7256,
201.8599

 16.2188, 10.2702,
39.1725


 147.6338,
123.1067, 247.4080

 9.7709, 5.5785,
26.5851

183.1174,
155.2667, 299.3389

 5.3084, 2.5905,
17.0322

223.8745,
192.5899, 358.0712

 2.4660, 0.9219,
10.0952

270.2705,

 0.8781, 0.0000,

235.4609, 424.0234

5.3557

322.6708,
284.2640, 497.6141

■ 0.0000, 0.0000,
2.3951

■ 0.0000, 0.0000,
0.7838

■ 51.1281, 38.4119,
99.3272

■ 51.1281, 38.4119,
99.3272

■ 44.6041, 30.0956,
98.0659

■ 58.7938, 48.6031,
100.8903

■ 39.1511, 23.5260,
97.0852

■ 67.6580, 60.7770,
102.7729

■ 34.6956, 18.5651,
96.3625

■ 77.7783, 75.0383,
104.9922

■ 31.1516, 15.0513,
95.8711

■ 89.2069, 91.4829,
107.5640

■ 28.4144, 12.7864, 95.0500, 100.0000,
95.5782 108.9000

■ 27.2160, 11.9452,
95.4790

Harmonies

Analogous

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



40.6015, 38.4119, 124.3417



51.1281, 38.4119, 99.3272



58.4316, 38.4119, 62.1126

Triad

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



51.1281, 38.4119, 99.3272



43.0373, 38.4119, 7.9804



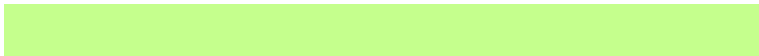
20.4885, 38.4119, 54.1807

Complementary

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



51.1281, 38.4119, 99.3272



63.5942, 85.3136, 38.3162

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.



20.8968, 38.4119, 26.5181



51.1281, 38.4119, 99.3272



32.7019, 38.4119, 7.4277

Square

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



51.1281, 38.4119, 99.3272



53.1944, 38.4119, 14.5311



24.9822, 38.4119, 12.3452



23.7384, 38.4119, 91.2518

Rectangle

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



51.1281, 38.4119, 99.3272



59.7972, 38.4119, 40.2500



24.9822, 38.4119, 12.3452



20.2215, 38.4119, 43.4386

Sweetspot

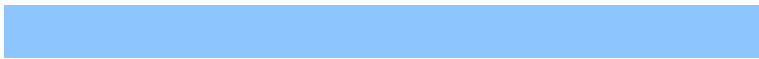
The Sweet Spot groups the original color and five complimentary colors.



51.1294, 38.4134, 99.3275



79.6323, 77.6843, 105.4052



49.2297, 53.2721, 102.2956



16.5322, 15.8968, 22.4470



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.



51.1294, 38.4134, 99.3275



45.0278, 30.6228, 98.1453



68.8154, 47.5309, 100.1551



17.8841, 17.8320, 22.7493



14.3938, 6.3308, 49.8979



1.5276, 0.6814, 4.8643

Inverse Universe

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



60.8436, 44.3421, 58.1759



56.3870, 37.5529, 50.1426



51.5531, 79.1062, 37.7527



18.3813, 18.1358, 20.6251



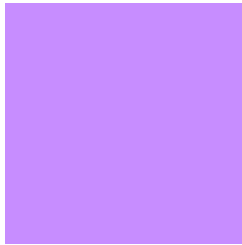
23.5667, 11.9160, 11.6348



2.3496, 1.1822, 1.4226

Previews

White Background



This preview shows how the XYZ color 51.1281, 38.4119, 99.3272 looks on a white background.

Color Contrast Check

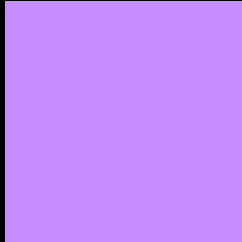
Large Text (above 18pt) WCAG AA × Fail

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 51.1281, 38.4119, 99.3272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

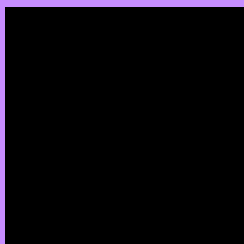
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1281, 38.4119, 99.3272

Background



This preview shows how black text looks on a background with the XYZ color 51.1281, 38.4119, 99.3272.



This preview shows how white text looks on a background with the XYZ color 51.1281, 38.4119,

99.3272.

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

51.1281, 38.4119, 99.3272

Protanopia

40.9983, 38.7575, 99.9278

Deuteranopia

39.9448, 38.8417, 95.8344



Tritanopia

40.0248, 38.4345, 44.3388

Trichromacy



Original Color

51.1281, 38.4119, 99.3272



Protanomaly

43.8431, 38.1650, 99.6635



Deuteranomaly

42.9541, 38.0122, 97.1686

Tritanomaly

43.2871, 37.9939, 60.9292

Monochromacy



Original Color

51.1281, 38.4119, 99.3272



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

42.2875, 39.2296, 61.2204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1281, 38.4119, 99.3272 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, 141, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 141, 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, 141, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 141, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.1281, 38.4119, 99.3272 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, 141, 255) }
```


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

```
.border{ border-color:rgb(199, 141, 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, 141, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 141, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 141, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 141,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1281, 38.4119, 99.3272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 141, 255) }
```

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

```
.background{ background-color: rgb(199,  
141, 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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