

Converting Colors

XYZ(62.6488, 42.6714,
157.7070)

Have a look what the booklet for
XYZ(62.6488, 42.6714, 157.7070)
contains.

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Color

**XYZ(51.6397, 38.2418,
99.2674)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | CA8BFF |
| RGB | 202, 139, 255 |
| RGB Percent | 79%, 55%, 100% |
| CMY | 0.2078, 0.4549, 0.0000 |
| CMYK | 0.21, 0.45, 0.00, 0.00 |
| HSL | 273°, 100%, 77% |
| HSV | 273°, 45%, 100% |
| XYZ | 51.6397, 38.2418, 99.2674 |
| YIQ | 171.0610, 0.3120, 49.4320 |

Conversions

Conversions Part 2

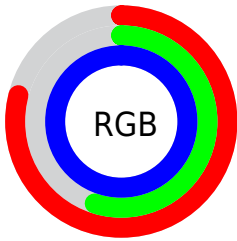
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 202, 139, 255 |
| Decimal | 13274111 |
| CIE Lab | 68.20, 45.07, -48.76 |
| CIE LCh | 68, 66.398, 312.746 |
| Yxy | 38.2418, 0.2730, 0.2022 |
| Android (android.graphics.Color) | 4291464191 (0xFFCA8BFF) |
| YUV | 171.0610, 41.3819, 27.1335 |
| Hunter-Lab | 61.8400, 40.8372, -51.8862 |

Details

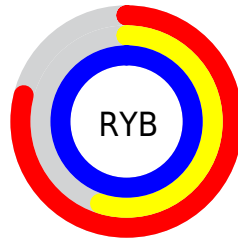
The XYZ color **51.6397, 38.2418, 99.2674** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **62.1590, 84.5908, 37.4791**, and the grayscale version is **38.5392, 40.5463, 44.1549**.

A 20% lighter version of the original color is **78.5818, 67.0636, 103.4106**, and **25.4553, 17.0046, 55.3667** is the 20% darker color. If you saturate the color by 10%, you get **45.3347, 30.1355, 98.0351**, and if you desaturate by 10%, it is **59.0463, 48.1957, 100.7984**.

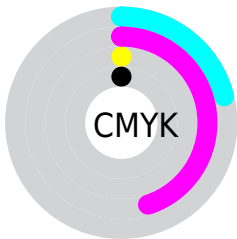
Distribution



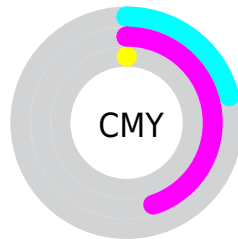
- Red (79%)
- Green (55%)
- Blue (100%)



- Red (79%)
- Yellow (55%)
- Blue (100%)



- Cyan (21%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (21%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.6397, 38.2418, 99.2674 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 51.6397, 38.2418, 99.2674 by changing the saturation by 10% instead.


 51.6397, 38.2418,
99.2674

 51.6397, 38.2418,
99.2674


383.3909,
338.6561, 579.0679

 36.9411, 26.1704,
75.0754


 91.7770, 72.4786,
162.1931

 25.3353, 16.9512,
55.1725


 117.9465, 95.4128,
201.7640

 16.4571, 10.1997,
39.1404


 148.6702,
122.7367, 247.2981

 9.9411, 5.5316,
26.5603

184.3136,
154.8348, 299.2141

 5.4219, 2.5624,
17.0137

225.2420,
192.0914, 357.9306

 2.5341, 0.9078,
10.0822

271.8208,

 0.9125, 0.0000,

234.8908, 423.8660

5.3472

324.4153,
283.6176, 497.4390

■ 0.0000, 0.0000,
2.3901

■ 0.0000, 0.0000,
0.7810

■ 51.6397, 38.2418,
99.2674

■ 51.6397, 38.2418,
99.2674

■ 45.3347, 30.1355,
98.0351

■ 59.0463, 48.1957,
100.7984

■ 40.0615, 23.7482,
97.0801

■ 67.6105, 60.1050,
102.6457

■ 35.7472, 18.9413,
96.3797

■ 77.3889, 74.0746,
104.8267

■ 32.3061, 15.5516,
95.9068

■ 88.4328, 90.2002,
107.3572

■ 29.6334, 13.3778, 95.0500, 100.0000,
95.6281 108.9000

■ 28.6130, 12.6654,
95.5443

Harmonies

Analogous

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



40.9293, 38.2418, 125.9223



51.6397, 38.2418, 99.2674



58.9223, 38.2418, 60.9881

Triad

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



51.6397, 38.2418, 99.2674



42.5918, 38.2418, 7.4385



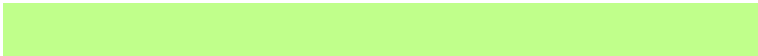
20.1552, 38.2418, 55.5595

Complementary

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



51.6397, 38.2418, 99.2674



62.1590, 84.5908, 37.4791

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.



20.4306, 38.2418, 26.8875



51.6397, 38.2418, 99.2674



32.1214, 38.2418, 7.0757

Square

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



51.6397, 38.2418, 99.2674



53.0546, 38.2418, 13.6521



24.4187, 38.2418, 12.1962



23.5775, 38.2418, 93.7041

Rectangle

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



51.6397, 38.2418, 99.2674



60.1378, 38.2418, 38.9609



24.4187, 38.2418, 12.1962



19.8405, 38.2418, 44.4367

Sweetspot

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



51.6410, 38.2433, 99.2677



78.9516, 76.3364, 105.1809



47.7980, 50.9091, 101.9150



16.4160, 15.6408, 22.4037



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.



51.6410, 38.2433, 99.2677



45.6183, 30.4907, 98.0887



67.9068, 46.6998, 96.8120



17.9458, 17.8638, 22.7522



15.1253, 6.7079, 49.9321



1.5987, 0.7181, 4.8676

Inverse Universe

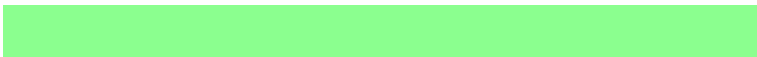
The Inverse Universe completely reimagines the original color for something new.



59.9878, 43.5322, 55.1108



55.4616, 36.7123, 46.7201



51.3562, 78.9885, 38.4747



18.3545, 18.1251, 20.4840



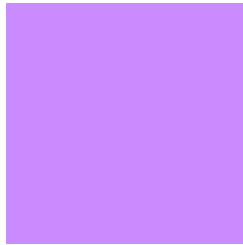
23.2847, 11.8032, 10.1495



2.3215, 1.1710, 1.2743

Previews

White Background



This preview shows how the XYZ color 51.6397, 38.2418, 99.2674 looks on a white background.

Color Contrast Check

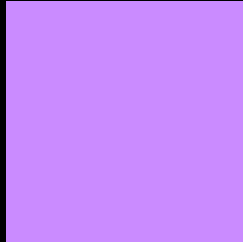
Large Text (above 18pt) WCAG AA × Fail

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 51.6397, 38.2418, 99.2674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

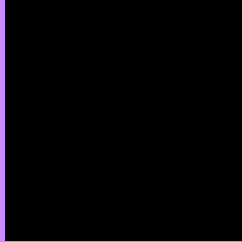
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.6397, 38.2418, 99.2674

Background



This preview shows how black text looks on a background with the XYZ color 51.6397, 38.2418, 99.2674.



This preview shows how white text looks on a background with the XYZ color 51.6397, 38.2418,

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

51.6397, 38.2418, 99.2674

Protanopia

40.9983, 38.7575, 99.9278

Deuteranopia

39.7936, 38.7638, 95.8273



Tritanopia

40.3166, 38.0854, 43.7544

Trichromacy



Original Color

51.6397, 38.2418, 99.2674



Protanomaly

43.8719, 37.9318, 99.6170



Deuteranomaly

42.9767, 37.7738, 97.1214

Tritanomaly

43.7196, 37.7349, 60.8564

Monochromacy



Original Color

51.6397, 38.2418, 99.2674



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

42.3502, 39.0056, 61.1739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6397, 38.2418, 99.2674 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, 139, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 139, 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, 139, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 139, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.6397, 38.2418, 99.2674 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, 139, 255) }
```


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

```
.border{ border-color:rgb(202, 139, 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, 139, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 139, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 139, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 139,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6397, 38.2418, 99.2674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 139, 255) }
```

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

```
.background{ background-color: rgb(202,  
139, 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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