

Converting Colors

XYZ(63.2339, 42.9383,
160.9869)

Have a look what the booklet for
XYZ(63.2339, 42.9383, 160.9869)
contains.

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Color

**XYZ(51.3700, 38.1027,
99.2548)**

Conversions

Conversions Part 1

Format	Color
Hex	C98BFF
RGB	201, 139, 255
RGB Percent	79%, 55%, 100%
CMY	0.2118, 0.4549, 0.0000
CMYK	0.21, 0.45, 0.00, 0.00
HSL	272°, 100%, 77%
HSV	272°, 45%, 100%
XYZ	51.3700, 38.1027, 99.2548
YIQ	170.7620, -0.2840, 49.2200

Conversions

Conversions Part 2

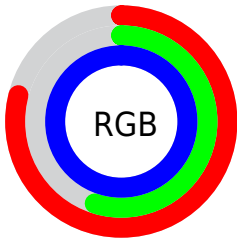
Format	Color
R _Y B	201, 139, 255
Decimal	13208575
CIE Lab	68.10, 44.80, -48.93
CIE LCh	68, 66.338, 312.476
Yxy	38.1027, 0.2722, 0.2019
Android (android.graphics.Color)	4291398655 (0xFFC98BFF)
YUV	170.7620, 41.5293, 26.5187
Hunter-Lab	61.7274, 40.5261, -52.1264

Details

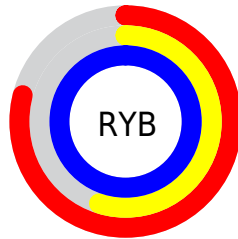
The XYZ color **51.3700, 38.1027, 99.2548** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **62.4130, 84.7217, 37.4909**, and the grayscale version is **38.3891, 40.3883, 43.9829**.

A 20% lighter version of the original color is **78.5818, 67.0636, 103.4106**, and **25.2783, 16.9133, 55.3584** is the 20% darker color. If you saturate the color by 10%, you get **45.0306, 29.9787, 98.0208**, and if you desaturate by 10%, it is **58.8196, 48.0787, 100.7877**.

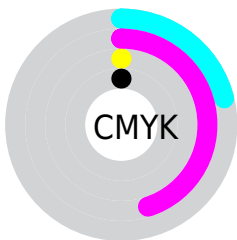
Distribution



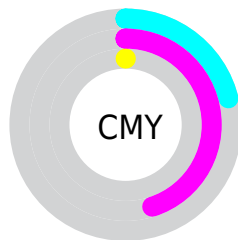
- Red (79%)
- Green (55%)
- Blue (100%)



- 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 51.3700, 38.1027, 99.2548 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 51.3700, 38.1027, 99.2548 by changing the saturation by 10% instead.


 51.3700, 38.1027,
99.2548


 51.3700, 38.1027,
99.2548


382.3636,
338.0603, 579.0271


 36.7254, 26.0624,
75.0649


 91.3812, 72.2655,
162.1757

 25.1676, 16.8703,
55.1640


 117.4785, 95.1568,
201.7437

 16.3314, 10.1421,
39.1336


 148.1241,
122.4340, 247.2749

 9.8513, 5.4933,
26.5550

183.6833,
154.4813, 299.1878

 5.3620, 2.5395,
17.0098

224.5215,
191.6832, 357.9010

 2.4981, 0.8963,
10.0795

271.0041,

 0.8943, 0.0000,

234.4240, 423.8329

5.3454

323.4963,
283.0883, 497.4021

■ 0.0000, 0.0000,
2.3890

■ 0.0000, 0.0000,
0.7805

■ 51.3700, 38.1027,
99.2548

■ 51.3700, 38.1027,
99.2548

■ 45.0306, 29.9787,
98.0208

■ 58.8196, 48.0787,
100.7877

■ 39.7312, 23.5779,
97.0647

■ 67.4357, 60.0148,
102.6375

■ 35.3988, 18.7617,
96.3634

■ 77.2752, 74.0159,
104.8214

■ 31.9471, 15.3665,
95.8900

■ 88.3898, 90.1778,
107.3552

■ 29.2710, 13.1910, 95.0500, 100.0000,
95.6111 108.9000

■ 28.2514, 12.4790,
95.5274

Harmonies

Analogous

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



40.6829, 38.1027, 125.6235



51.3700, 38.1027, 99.2548



58.6775, 38.1027, 61.1044

Triad

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



51.3700, 38.1027, 99.2548



42.5385, 38.1027, 7.4316



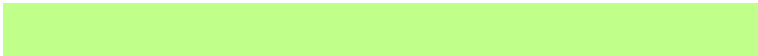
20.0640, 38.1027, 55.0449

Complementary

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



51.3700, 38.1027, 99.2548



62.4130, 84.7217, 37.4909

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.



20.3713, 38.1027, 26.5946



51.3700, 38.1027, 99.2548



32.0877, 38.1027, 7.0266

Square

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



51.3700, 38.1027, 99.2548



52.9493, 38.1027, 13.6909



24.3796, 38.1027, 12.0661



23.4407, 38.1027, 93.0448

Rectangle

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



51.3700, 38.1027, 99.2548



59.9337, 38.1027, 39.0757



24.3796, 38.1027, 12.0661



19.7614, 38.1027, 43.9962

Sweetspot

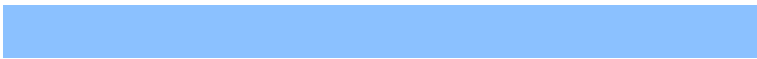
The Sweet Spot groups the original color and five complimentary colors.



51.3713, 38.1042, 99.2550



78.8480, 76.2829, 105.1761



47.7979, 50.9090, 101.9149



16.3908, 15.6278, 22.4025



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.



51.3713, 38.1042, 99.2550



45.3158, 30.3347, 98.0745



67.9068, 46.6997, 96.8120



17.9303, 17.8558, 22.7514



14.9362, 6.6104, 49.9233



1.5804, 0.7087, 4.8668

Inverse Universe

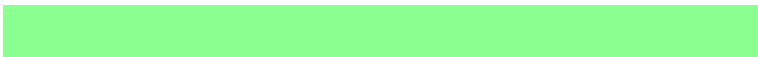
The Inverse Universe completely reimagines the original color for something new.



60.0989, 43.5766, 55.6960



55.5843, 36.7613, 47.3660



51.3561, 78.9885, 38.4746



18.3612, 18.1278, 20.5194



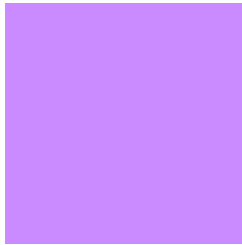
23.3531, 11.8306, 10.5101



2.3284, 1.1737, 1.3105

Previews

White Background



This preview shows how the XYZ color 51.3700, 38.1027, 99.2548 looks on a white background.

Color Contrast Check

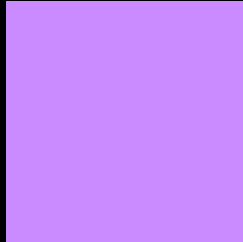
Large Text (above 18pt) WCAG AA × Fail

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 51.3700, 38.1027, 99.2548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

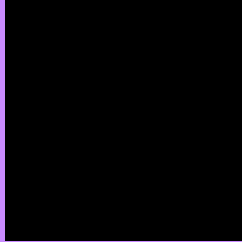
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.3700, 38.1027, 99.2548

Background



This preview shows how black text looks on a background with the XYZ color 51.3700, 38.1027, 99.2548.



This preview shows how white text looks on a background with the XYZ color 51.3700, 38.1027,

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

51.3700, 38.1027, 99.2548

Protanopia

40.6629, 38.3199, 99.8611

Deuteranopia

39.4628, 38.3244, 95.7599



Tritanopia

40.0711, 37.9588, 43.7429

Trichromacy



Original Color

51.3700, 38.1027, 99.2548



Protanomaly

43.5102, 37.4993, 99.5526



Deuteranomaly

42.7856, 37.6752, 97.1125

Tritanomaly

43.4655, 37.6040, 60.8445

Monochromacy



Original Color

51.3700, 38.1027, 99.2548



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 51.3700, 38.1027, 99.2548 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(201, 139, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 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(201, 139, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 139, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.3700, 38.1027, 99.2548 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(201, 139, 255) }
```


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

```
.border{ border-color:rgb(201, 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(201, 139, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 139, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 139, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 139,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3700, 38.1027, 99.2548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 139, 255) }
```

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

```
.background{ background-color: rgb(201,  
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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