

Converting Colors

XYZ(58.9654, 41.0639,
142.0669)

Have a look what the booklet for
XYZ(58.9654, 41.0639, 142.0669)
contains.

XYZ(50.8358, 37.8274, 99.2298)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.8358, 37.8274,
99.2298)**

Conversions

Conversions Part 1

Format	Color
Hex	C78BFF
RGB	199, 139, 255
RGB Percent	78%, 55%, 100%
CMY	0.2196, 0.4549, 0.0000
CMYK	0.22, 0.45, 0.00, 0.00
HSL	271°, 100%, 77%
HSV	271°, 45%, 100%
XYZ	50.8358, 37.8274, 99.2298
YIQ	170.1640, -1.4760, 48.7960

Conversions

Conversions Part 2

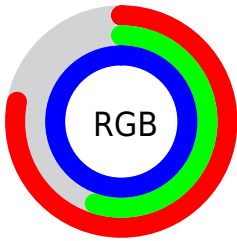
Format	Color
R_{YB}	199, 139, 255
Decimal	13077503
CIE _{Lab}	67.89, 44.26, -49.26
CIE _{LCh}	68, 66.222, 311.935
Yxy	37.8274, 0.2706, 0.2013
Android (android.graphics.Color)	4291267583 (0xFFC78BFF)
YUV	170.1640, 41.8241, 25.2892
Hunter-Lab	61.5040, 39.9063, -52.6050

Details

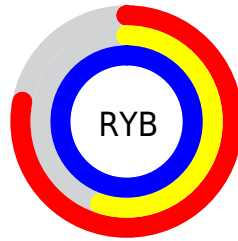
The XYZ color **50.8358, 37.8274, 99.2298** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **62.9265, 84.9865, 37.5150**, and the grayscale version is **38.0901, 40.0737, 43.6403**.

A 20% lighter version of the original color is **78.5818, 67.0636, 103.4106**, and **24.9289, 16.7332, 55.3420** is the 20% darker color. If you saturate the color by 10%, you get **44.4299, 29.6691, 97.9927**, and if you desaturate by 10%, it is **58.3695, 47.8468, 100.7667**.

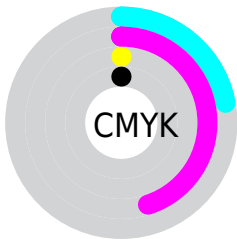
Distribution



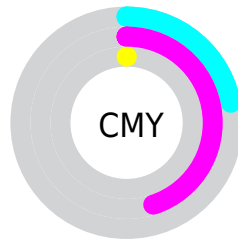
- Red (78%)
- Green (55%)
- Blue (100%)



- 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 50.8358, 37.8274, 99.2298 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 50.8358, 37.8274, 99.2298 by changing the saturation by 10% instead.


 50.8358, 37.8274,
99.2298

 50.8358, 37.8274,
99.2298


380.3237,
336.8790, 578.9461

 36.2985, 25.8488,
75.0442


 90.5964, 71.8435,
162.1410

 24.8360, 16.7105,
55.1471


 116.5505, 94.6498,
201.7036

 16.0830, 10.0283,
39.1201

 147.0408,
121.8340, 247.2290

 9.6741, 5.4177,
26.5446

182.4327,
153.7807, 299.1357

 5.2440, 2.4944,
17.0021

223.0916,
190.8741, 357.8422

 2.4274, 0.8738,
10.0740

269.3828,

 0.8588, 0.0000,

233.4987, 423.7671

5.3418

321.6717,
282.0388, 497.3288

■ 0.0000, 0.0000,
2.3870

■ 0.0000, 0.0000,
0.7793

■ 50.8358, 37.8274,
99.2298

■ 50.8358, 37.8274,
99.2298

■ 44.4299, 29.6691,
97.9927

■ 58.3695, 47.8468,
100.7667

■ 39.0809, 23.2427,
97.0342

■ 67.0881, 59.8357,
102.6213

■ 34.7151, 18.4093,
96.3314

■ 77.0489, 73.8993,
104.8108

■ 31.2456, 15.0049,
95.8571

■ 88.3042, 90.1339,
107.3512

■ 28.5663, 12.8277,
95.5781

95.0500, 100.0000,
108.9000

■ 27.5498, 12.1173,
95.4946

Harmonies

Analogous

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



40.1954, 37.8274, 125.0283



50.8358, 37.8274, 99.2298



58.1921, 37.8274, 61.3379

Triad

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



50.8358, 37.8274, 99.2298



42.4334, 37.8274, 7.4185



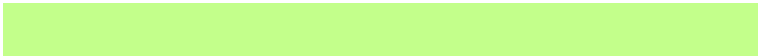
19.8839, 37.8274, 54.0293

Complementary

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



50.8358, 37.8274, 99.2298



62.9265, 84.9865, 37.5150

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.



20.2545, 37.8274, 26.0182



50.8358, 37.8274, 99.2298



32.0216, 37.8274, 6.9303

Square

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



50.8358, 37.8274, 99.2298



52.7406, 37.8274, 13.7695



24.3029, 37.8274, 11.8102



23.1706, 37.8274, 91.7396

Rectangle

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



50.8358, 37.8274, 99.2298



59.5289, 37.8274, 39.3066



24.3029, 37.8274, 11.8102



19.6051, 37.8274, 43.1277

Sweetspot

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



50.8371, 37.8289, 99.2300



78.6412, 76.1763, 105.1664



48.2286, 51.7703, 102.0585



16.3405, 15.6018, 22.4002



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.



50.8371, 37.8289, 99.2300



44.7178, 30.0265, 98.0465



68.2134, 46.8225, 98.4266



17.8993, 17.8398, 22.7500



14.5688, 6.4210, 49.9061



1.5447, 0.6902, 4.8651

Inverse Universe

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



60.3236, 43.6666, 56.8795



55.8330, 36.8608, 48.6755



51.2112, 78.9305, 37.7108



18.3747, 18.1332, 20.5903



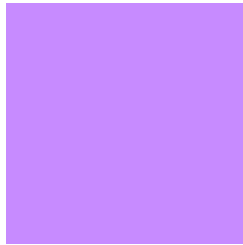
23.4949, 11.8872, 11.2563



2.3425, 1.1794, 1.3850

Previews

White Background



This preview shows how the XYZ color 50.8358, 37.8274, 99.2298 looks on a white background.

Color Contrast Check

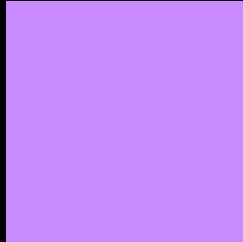
Large Text (above 18pt) WCAG AA × Fail

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 50.8358, 37.8274, 99.2298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

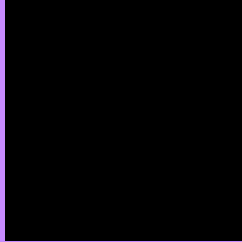
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.8358, 37.8274, 99.2298

Background



This preview shows how black text looks on a background with the XYZ color 50.8358, 37.8274, 99.2298.



This preview shows how white text looks on a background with the XYZ color 50.8358, 37.8274,

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

50.8358, 37.8274, 99.2298

Protanopia

40.5073, 38.2397, 99.8538

Deuteranopia

39.3146, 38.2480, 95.7530



Tritanopia

39.5851, 37.7083, 43.7201

Trichromacy



Original Color

50.8358, 37.8274, 99.2298



Protanomaly

43.3159, 37.3991, 99.5435



Deuteranomaly

42.5960, 37.5775, 97.1036

Tritanomaly

42.9625, 37.3446, 60.8210

Monochromacy



Original Color

50.8358, 37.8274, 99.2298



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

41.9968, 38.8371, 60.5412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8358, 37.8274, 99.2298 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, 139, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 139, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 139, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.8358, 37.8274, 99.2298 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, 139, 255) }
```


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

```
.border{ border-color:rgb(199, 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(199, 139, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 139, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 139, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 139,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8358, 37.8274, 99.2298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 139, 255) }
```

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

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