

Converting Colors

XYZ(50.8257, 38.0924, 99.2815)

Have a look what the booklet for
XYZ(50.8257, 38.0924, 99.2815)
contains.

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Color

**XYZ(50.7168, 37.9819,
99.2659)**

Conversions

Conversions Part 1

Format	Color
Hex	C68CFF
RGB	198, 140, 255
RGB Percent	78%, 55%, 100%
CMY	0.2235, 0.4510, 0.0000
CMYK	0.22, 0.45, 0.00, 0.00
HSL	270°, 100%, 77%
HSV	270°, 45%, 100%
XYZ	50.7168, 37.9819, 99.2659
YIQ	170.4520, -2.3470, 48.0610

Conversions

Conversions Part 2

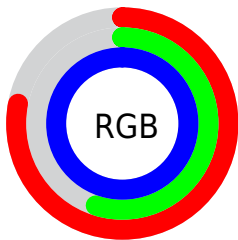
Format	Color
R_{YB}	198, 140, 255
Decimal	13012223
CIE _{Lab}	68.01, 43.45, -49.09
CIE _{LCh}	68, 65.554, 311.511
Yxy	37.9819, 0.2698, 0.2021
Android (android.graphics.Color)	4291202303 (0xFFC68CFF)
YUV	170.4520, 41.6822, 24.1596
Hunter-Lab	61.6295, 39.0417, -52.3571

Details

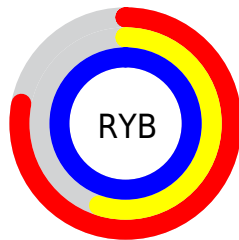
The XYZ color **50.7168, 37.9819, 99.2659** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **63.5199, 85.2839, 37.9259**, and the grayscale version is **38.2344, 40.2255, 43.8056**.

A 20% lighter version of the original color is **78.8051, 67.5102, 103.4850**, and **24.8381, 16.8074, 55.3611** is the 20% darker color. If you saturate the color by 10%, you get **44.2198, 29.7282, 98.0152**, and if you desaturate by 10%, it is **58.3576, 48.1083, 100.8178**.

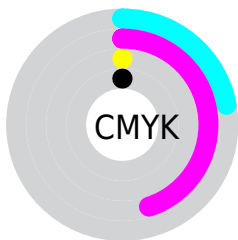
Distribution



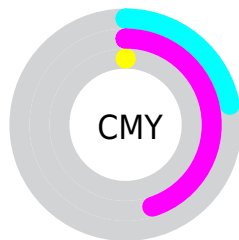
- Red (78%)
- Green (55%)
- Blue (100%)



- 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 50.7168, 37.9819, 99.2659 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 50.7168, 37.9819, 99.2659 by changing the saturation by 10% instead.


 50.7168, 37.9819,
99.2659

 50.7168, 37.9819,
99.2659


379.8683,
337.5423, 579.0631


 36.2034, 25.9686,
75.0741

 90.4215, 72.0804,
162.1911

 24.7622, 16.8002,
55.1715


 116.3435, 94.9344,
201.7615

 16.0277, 10.0921,
39.1395


 146.7991,
122.1708, 247.2953

 9.6348, 5.4601,
26.5596

182.1537,
154.1740, 299.2110

 5.2179, 2.5197,
17.0133

222.7725,
191.3283, 357.9271

 2.4117, 0.8865,
10.0819

269.0210,

 0.8510, 0.0000,

234.0182, 423.8621

5.3470

321.2645,
282.6281, 497.4346

■ 0.0000, 0.0000,
2.3900

■ 0.0000, 0.0000,
0.7810

■ 50.7168, 37.9819,
99.2659

■ 50.7168, 37.9819,
99.2659

■ 44.2198, 29.7282,
98.0152

■ 58.3576, 48.1083,
100.8178

■ 38.7956, 23.2183,
97.0446

■ 67.1996, 60.2157,
102.6887

■ 34.3700, 18.3135,
96.3311

■ 77.3004, 74.4092,
104.8960

■ 30.8563, 14.8510,
95.8480

■ 88.7128, 90.7850,
107.4553

■ 28.1486, 12.6304,
95.5621

95.0500, 100.0000,
108.9000

■ 27.0444, 11.8568,
95.4709

Harmonies

Analogous

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



40.1563, 37.9819, 124.3890



50.7168, 37.9819, 99.2659



58.0708, 37.9819, 61.8417

Triad

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



50.7168, 37.9819, 99.2659



42.6824, 37.9819, 7.6897



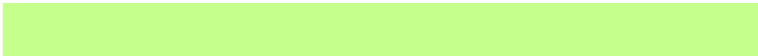
20.0949, 37.9819, 53.6035

Complementary

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



50.7168, 37.9819, 99.2659



63.5199, 85.2839, 37.9259

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.



20.5158, 37.9819, 25.9819



50.7168, 37.9819, 99.2659



32.3278, 37.9819, 7.1276

Square

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



50.7168, 37.9819, 99.2659



52.8633, 37.9819, 14.1873



24.6028, 37.9819, 11.9481



23.3189, 37.9819, 90.8510

Rectangle

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



50.7168, 37.9819, 99.2659



59.4618, 37.9819, 39.8931



24.6028, 37.9819, 11.9481



19.8338, 37.9819, 42.8539

Sweetspot

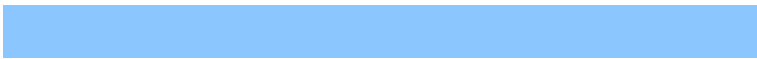
The Sweet Spot groups the original color and five complimentary colors.



50.7181, 37.9834, 99.2661



78.4871, 76.0969, 105.1592



48.9462, 52.9565, 102.2496



16.3030, 15.5825, 22.3984



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.



50.7181, 37.9834, 99.2661



44.8788, 30.5459, 98.1383



68.6686, 47.2372, 100.1062



17.8762, 17.8279, 22.7489



14.3038, 6.2844, 49.8937



1.5187, 0.6769, 4.8639

Inverse Universe

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



60.6967, 44.0484, 58.1267



56.4514, 37.5786, 50.4819



51.3097, 78.9893, 37.3544



18.3848, 18.1372, 20.6433



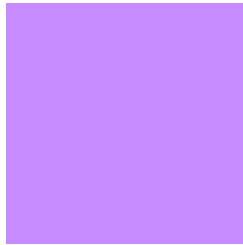
23.6049, 11.9312, 11.8356



2.3534, 1.1837, 1.4424

Previews

White Background



This preview shows how the XYZ color 50.7168, 37.9819, 99.2659 looks on a white background.

Color Contrast Check

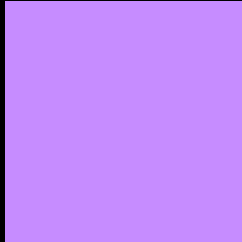
Large Text (above 18pt) WCAG AA × Fail

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 50.7168, 37.9819, 99.2659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

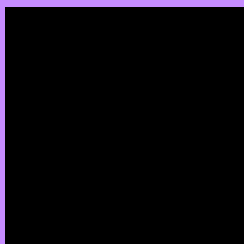
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.7168, 37.9819, 99.2659

Background



This preview shows how black text looks on a background with the XYZ color 50.7168, 37.9819, 99.2659.



This preview shows how white text looks on a background with the XYZ color 50.7168, 37.9819,

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

50.7168, 37.9819, 99.2659

Protanopia

40.6629, 38.3199, 99.8611

Deuteranopia

39.4628, 38.3244, 95.7599



Tritanopia

39.5160, 37.9269, 43.7660

Trichromacy



Original Color

50.7168, 37.9819, 99.2659



Protanomaly

43.4816, 37.7306, 99.5987



Deuteranomaly

42.5960, 37.5775, 97.1036

Tritanomaly

42.8752, 37.5396, 60.8632

Monochromacy



Original Color

50.7168, 37.9819, 99.2659



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

41.7631, 38.7166, 60.5302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7168, 37.9819, 99.2659 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(198, 140, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 140, 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(198, 140, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 140, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.7168, 37.9819, 99.2659 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(198, 140, 255) }
```


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

```
.border{ border-color:rgb(198, 140, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(198, 140, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 140, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 140, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 140,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7168, 37.9819, 99.2659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 140, 255) }
```

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

```
.background{ background-color: rgb(198,  
140, 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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