

Converting Colors

XYZ(51.8923, 37.0363, 99.0214)

Have a look what the booklet for
XYZ(51.8923, 37.0363, 99.0214)
contains.

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Color

**XYZ(51.8911, 37.1169,
99.0371)**

Conversions

Conversions Part 1

Format	Color
Hex	CE85FF
RGB	206, 133, 255
RGB Percent	81%, 52%, 100%
CMY	0.1921, 0.4784, 0.0000
CMYK	0.19, 0.48, 0.00, 0.00
HSL	276°, 100%, 76%
HSV	276°, 48%, 100%
XYZ	51.8911, 37.1169, 99.0371
YIQ	168.7350, 4.3460, 53.4180

Conversions

Conversions Part 2

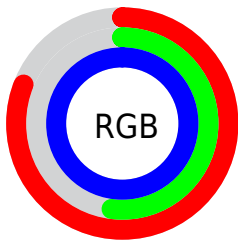
Format	Color
R _Y B	206, 133, 255
Decimal	13534719
CIE Lab	67.36, 49.32, -50.05
CIE LCh	67, 70.268, 314.582
Yxy	37.1169, 0.2760, 0.1974
Android (android.graphics.Color)	4291724799 (0xFFCE85FF)
YUV	168.7350, 42.5286, 32.6814
Hunter-Lab	60.9236, 45.4192, -53.7349

Details

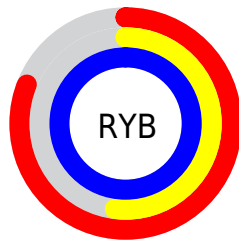
The XYZ color **51.8911, 37.1169, 99.0371** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **59.2857, 83.1589, 35.1184**, and the grayscale version is **37.3777, 39.3243, 42.8242**.

A 20% lighter version of the original color is **77.2732, 64.4464, 102.9744**, and **25.5299, 16.3516, 55.2367** is the 20% darker color. If you saturate the color by 10%, you get **46.0632, 29.5445, 97.8826**, and if you desaturate by 10%, it is **58.7541, 46.4822, 100.4830**.

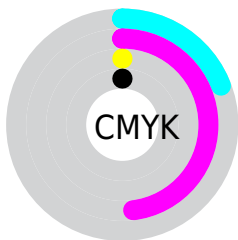
Distribution



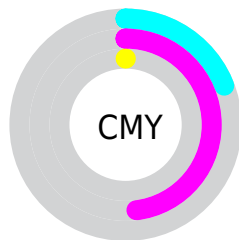
- Red (81%)
- Green (52%)
- Blue (100%)



- Red (81%)
- Yellow (52%)
- Blue (100%)



- Cyan (19%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (19%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8911, 37.1169, 99.0371 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 51.8911, 37.1169, 99.0371 by changing the saturation by 10% instead.


 51.8911, 37.1169,
99.0371


 51.8911, 37.1169,
99.0371

384.3469,
333.8164, 578.3214


 37.1422, 25.2980,
74.8842

 92.1458, 70.7525,
161.8736

 25.4918, 16.2992,
55.0169


 118.3823, 93.3381,
201.3944

 16.5745, 9.7361,
39.0166


 149.1787,
120.2813, 246.8748

 10.0250, 5.2244,
26.4647

184.9004,
151.9666, 298.7335

 5.4779, 2.3795,
16.9427

225.9127,
188.7784, 357.3889

 2.5679, 0.8153,
10.0321

272.5810,

 0.9296, 0.0000,

231.1010, 423.2597

5.3144

325.2706,
279.3188, 496.7643

■ 0.0000, 0.0000,
2.3709

■ 0.0000, 0.0000,
0.7706

■ 51.8911, 37.1169,
99.0371

■ 51.8911, 37.1169,
99.0371

■ 46.0632, 29.5445,
97.8826

■ 58.7541, 46.4822,
100.4830

■ 41.2007, 23.6342,
96.9981

■ 66.7079, 57.7501,
102.2387

■ 37.2303, 19.2436,
96.3599

■ 75.8084, 71.0263,
104.3217

■ 34.0646, 16.2034,
95.9399

■ 86.1063, 86.4075,
106.7478

■ 31.5879, 14.2877, 95.0500, 100.0000,
95.7007 108.9000

■ 31.1084, 13.9519,
95.6611

Harmonies

Analogous

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



40.7498, 37.1169, 129.1982



51.8911, 37.1169, 99.0371



59.2274, 37.1169, 58.3092

Triad

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



51.8911, 37.1169, 99.0371



41.0719, 37.1169, 5.9731



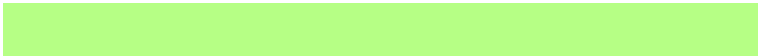
18.8004, 37.1169, 57.2487

Complementary

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



51.8911, 37.1169, 99.0371



59.2857, 83.1589, 35.1184

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.



18.8518, 37.1169, 26.6151



51.8911, 37.1169, 99.0371



30.3203, 37.1169, 5.9107

Square

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



51.8911, 37.1169, 99.0371



52.1679, 37.1169, 11.4529



22.6540, 37.1169, 11.1910



22.4954, 37.1169, 97.9293

Rectangle

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



51.8911, 37.1169, 99.0371



60.1913, 37.1169, 35.8616



22.6540, 37.1169, 11.1910



18.4084, 37.1169, 45.3362

Sweetspot

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



51.8924, 37.1183, 99.0373



79.6201, 76.6810, 105.2122



44.8299, 46.4197, 101.2048



16.5790, 15.7248, 22.4113



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.



51.8924, 37.1183, 99.0373



46.5155, 30.1159, 97.9691



66.0841, 44.6186, 91.3824



18.0455, 17.9152, 22.7568



16.4280, 7.3794, 49.9931



1.7230, 0.7822, 4.8734

Inverse Universe

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



58.0718, 41.4137, 49.1898



53.8487, 35.1647, 41.0085



50.4044, 78.4952, 38.5489



18.3116, 18.1080, 20.2583



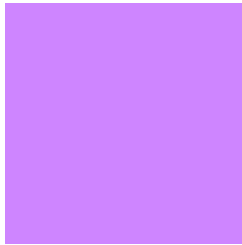
22.8817, 11.6420, 8.0276



2.2802, 1.1544, 1.0569

Previews

White Background



This preview shows how the XYZ color 51.8911, 37.1169, 99.0371 looks on a white background.

Color Contrast Check

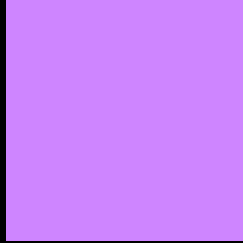
Large Text (above 18pt) WCAG AA × Fail

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 51.8911, 37.1169, 99.0371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

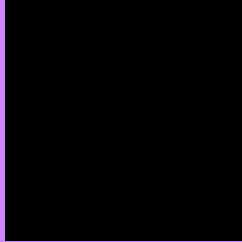
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8911, 37.1169, 99.0371

Background



This preview shows how black text looks on a background with the XYZ color 51.8911, 37.1169, 99.0371.



This preview shows how white text looks on a background with the XYZ color 51.8911, 37.1169,

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

51.8911, 37.1169, 99.0371

Protanopia

39.8481, 37.3769, 99.7220

Deuteranopia

38.6865, 37.6756, 94.8556



Tritanopia

40.1768, 37.0708, 41.1142

Trichromacy



Original Color

51.8911, 37.1169, 99.0371



Protanomaly

43.0212, 36.5213, 99.3896



Deuteranomaly

42.1302, 36.6175, 96.1142

Tritanomaly

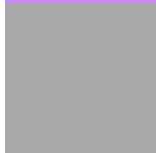
43.4979, 36.5053, 58.1797

Monochromacy



Original Color

51.8911, 37.1169, 99.0371



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

41.6052, 37.8921, 59.7647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8911, 37.1169, 99.0371 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(206, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 133, 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(206, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 133, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.8911, 37.1169, 99.0371 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(206, 133, 255) }
```


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

```
.border{ border-color:rgb(206, 133, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 133,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8911, 37.1169, 99.0371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 133, 255) }
```

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

```
.background{ background-color: rgb(206,  
133, 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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