

Converting Colors

CIELCh(57, 96.164, 315.576)

Have a look what the booklet for
CIELCh(57, 96.164, 315.576)
contains.

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Color

CIELCh(57, 95.677, 315.677)

Conversions

Conversions Part 1

Format	Color
Hex	BE56FF
RGB	190, 86, 255
RGB Percent	75%, 34%, 100%
CMY	0.2537, 0.6617, 0.0000
CMYK	0.25, 0.66, 0.00, 0.00
HSL	277°, 100%, 67%
HSV	277°, 66%, 100%
XYZ	42.7541, 24.9227, 97.4081
YIQ	136.3620, 7.7350, 74.6070

Conversions

Conversions Part 2

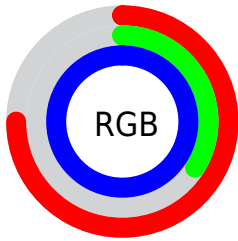
Format	Color
R _{YB}	190, 86, 255
Decimal	12474111
CIE _{Lab}	57.00, 68.45, -66.85
CIE _{LCh}	57, 95.677, 315.677
Yxy	24.9227, 0.2590, 0.1510
Android (android.graphics.Color)	4290664191 (0xFFBE56FF)
YUV	136.3620, 58.4885, 47.0405
Hunter-Lab	49.9226, 65.5040, -80.7398

Details

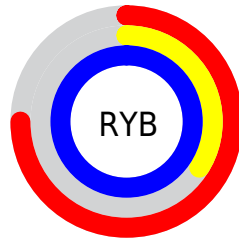
The CIELCh color **57, 95.677, 315.677** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **91, 89.403, 130.097**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 69.017, 325.486**, and **37, 95.697, 315.657** is the 20% darker color. If you saturate the color by 10%, you get **52, 106.882, 315.763**, and if you desaturate by 10%, it is **63, 82.299, 315.454**.

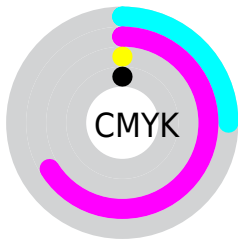
Distribution



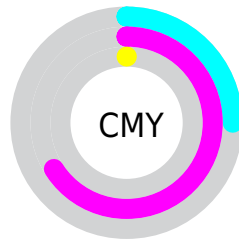
- Red (75%)
- Green (34%)
- Blue (100%)



- Red (75%)
- Yellow (34%)
- Blue (100%)



- Cyan (25%)
- Magenta (66%)
- Yellow (0%)
- Black (0%)




- Cyan (25%)
- Magenta (66%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 95.677, 315.677 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 CIELCh color 57, 95.677, 315.677 by changing the saturation by 10% instead.


 57, 95.677,
315.677


 57, 95.677,
315.677


 100, 95.677,
315.677


 47, 95.677,
315.677


 77, 95.677,
315.677

 37, 95.677,
315.677

 87, 95.677,
315.677

 27, 95.677,
315.677

 97, 95.677,
315.677

 17, 95.677,
315.677

 7, 95.677, 315.677

 0, 95.677, 315.677

57, 95.677,
315.677

57, 95.677,
315.677

52, 106.882,
315.763

63, 82.299,
315.454

48, 115.440,
315.533

69, 67.952,
315.080

46, 120.582,
314.942

75, 53.097,
314.641

45, 121.920,
314.654

82, 38.136,
314.179

89, 23.319,
313.718

96, 8.790, 313.267

100, 0.012,
296.813

Harmonies

Complementary

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



57, 95.677, 315.677



91, 89.403, 130.097

Rectangle

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



57, 95.677, 315.677



57, 95.677, 5.677



57, 95.677, 135.677



57, 95.677, 185.677

Sweetspot

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



57, 95.541, 315.708



86, 28.972, 313.894



64, 57.543, 280.083



44, 19.824, 314.023



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57, 95.541, 315.708



51, 109.626, 315.731



65, 90.891, 331.085



49, 8.137, 313.418



33, 98.064, 314.841



7, 44.595, 316.133

Inverse Universe

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



62, 68.663, 0.480



58, 77.549, 4.601



89, 93.086, 140.841



50, 5.930, 351.269



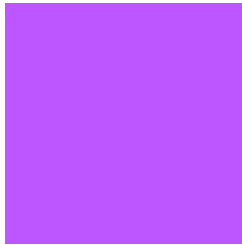
41, 68.561, 13.409



10, 31.283, 6.196

Previews

White Background



This preview shows how the CIELCh color 57, 95.677, 315.677 looks on a white background.

Color Contrast Check

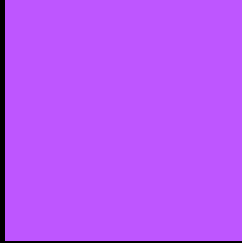
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 57, 95.677, 315.677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

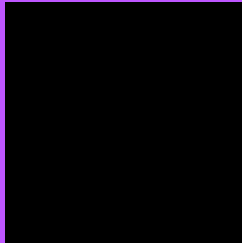
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 95.677, 315.677

Background



This preview shows how black text looks on a background with the CIELCh color 57, 95.677, 315.677.



This preview shows how white text looks on a background with the CIELCh color 57, 95.677, 315.677.

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





Tritanopia
57, 19.469, 4.817

Trichromacy



Original Color
57, 95.677, 315.677



Protanomaly
55, 79.106, 298.232



Deuteranomaly
54, 73.811, 292.829



Tritanomaly
56, 45.121, 326.034

Monochromacy



Original Color
57, 95.677, 315.677



Achromatopsia
57, 0.007, 296.813



Achromatomaly
56, 37.362, 314.184

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 95.677, 315.677 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(190, 86, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 86, 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(190, 86, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 86, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 95.677, 315.677 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(190, 86, 255) }
```

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

```
.border{ border-color:rgb(190, 86, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 86, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 86, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 86, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 86,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 95.677, 315.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 86, 255) }
```

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

```
.background{ background-color: rgb(190, 86,  
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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