

Converting Colors

CIELCh(59, 84.357, 315.041)

Have a look what the booklet for
CIELCh(59, 84.357, 315.041)
contains.

CIELCh(59, 84.578, 315.007)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(59, 84.578, 315.007)

Conversions

Conversions Part 1

Format	Color
Hex	BD65F8
RGB	189, 101, 248
RGB Percent	74%, 40%, 97%
CMY	0.2575, 0.6027, 0.0261
CMYK	0.24, 0.59, 0.00, 0.03
HSL	276°, 92%, 69%
HSV	276°, 59%, 97%
XYZ	42.7491, 27.0277, 92.0460
YIQ	144.0700, 5.2610, 64.3730

Conversions

Conversions Part 2

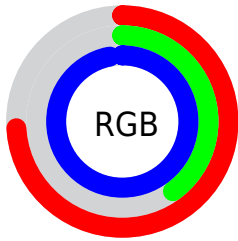
Format	Color
R _{YB}	189, 101, 248
Decimal	12412408
CIE _{Lab}	59.00, 59.81, -59.80
CIE _{LCh}	59, 84.578, 315.007
Yxy	27.0277, 0.2642, 0.1670
Android (android.graphics.Color)	4290602488 (0xFFBD65F8)
YUV	144.0700, 51.2375, 39.4036
Hunter-Lab	51.9882, 55.7984, -68.5821

Details

The CIELCh color **59, 84.578, 315.007** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **90, 79.247, 129.732**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 60.538, 324.451**, and **39, 84.875, 314.904** is the 20% darker color. If you saturate the color by 10%, you get **54, 97.183, 315.228**, and if you desaturate by 10%, it is **65, 70.722, 314.646**.

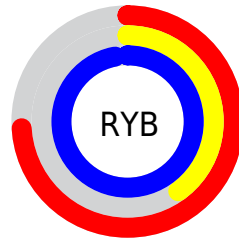
Distribution



Red (74%)

Green (40%)

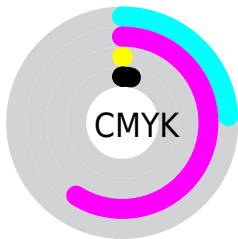
Blue (97%)



Red (74%)

Yellow (40%)

Blue (97%)

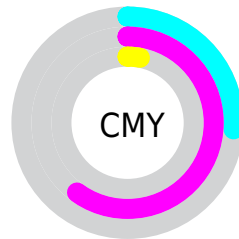


Cyan (24%)

Magenta (59%)

Yellow (0%)

Black (3%)



Cyan (26%)


Magenta (60%)

Yellow (3%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 84.578, 315.007 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 59, 84.578, 315.007 by changing the saturation by 10% instead.

 59, 84.578,
315.007

 59, 84.578,
315.007

 100, 84.578,
315.007


 49, 84.578,
315.007


 79, 84.578,
315.007

 39, 84.578,
315.007

 89, 84.578,
315.007

 29, 84.578,
315.007

 99, 84.578,
315.007

 19, 84.578,
315.007

 9, 84.578, 315.007

 0, 84.578, 315.007

59, 84.578,
315.007

59, 84.578,
315.007

54, 97.183,
315.228

65, 70.722,
314.646

49, 107.711,
315.224

71, 56.261,
314.209

46, 115.300,
314.904

78, 41.629,
313.741

43, 119.647,
314.230

85, 27.100,
313.271

43, 119.939,
314.172

91, 12.834,
312.815

98, 1.084, 132.572

100, 3.367,
109.904

Harmonies

Complementary

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



59, 84.578, 315.007



90, 79.247, 129.732

Rectangle

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



59, 84.578, 315.007



59, 84.578, 5.007



59, 84.578, 135.007



59, 84.578, 185.007

Sweetspot

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



59, 84.577, 315.007



87, 25.918, 313.217



66, 49.011, 276.271



45, 18.069, 313.352



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



59, 84.577, 315.007



54, 101.380, 315.247



66, 82.873, 330.124



48, 7.970, 312.828



32, 97.442, 314.357



7, 43.217, 315.570

Inverse Universe

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



63, 61.623, 357.415



60, 72.647, 0.495



88, 84.079, 141.340



49, 5.894, 350.153



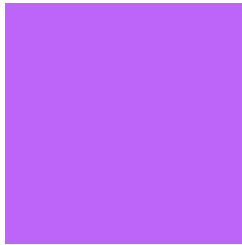
40, 67.624, 11.630



10, 30.488, 4.300

Previews

White Background



This preview shows how the CIELCh color 59, 84.578, 315.007 looks on a white background.

Color Contrast Check

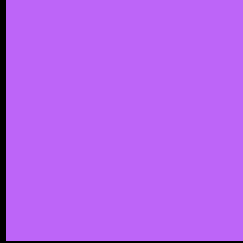
Large Text (above 18pt) WCAG AA ✓ Pass

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 59, 84.578, 315.007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

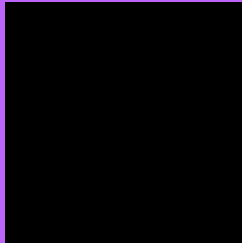
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 84.578, 315.007

Background



This preview shows how black text looks on a background with the CIELCh color 59, 84.578, 315.007.

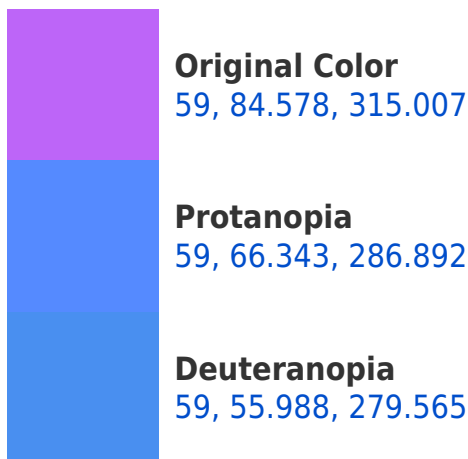


This preview shows how white text looks on a background with the CIELCh color 59, 84.578, 315.007.

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
59, 17.340, 2.438

Trichromacy



Original Color
59, 84.578, 315.007



Protanomaly
58, 72.387, 297.335



Deuteranomaly
58, 65.192, 294.236



Tritanomaly
58, 39.700, 325.256

Monochromacy



Original Color
59, 84.578, 315.007



Achromatopsia
60, 0.008, 296.813



Achromatomaly
58, 32.818, 313.537

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 84.578, 315.007 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(189, 101, 248)` looks like.

```
.text, #text, p{  
    color:rgb(189, 101, 248)  
}
```

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(189, 101, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 101, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 84.578, 315.007 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(189, 101, 248) }
```

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

```
.border{ border-color:rgb(189, 101, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 101, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 101, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 101, 248); box-shadow:4px 4px 4px 4px rgb(189, 101, 248) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 84.578, 315.007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 101, 248) }
```

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

```
.background{ background-color: rgb(189,  
101, 248) }
```

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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