

Converting Colors

CIELCh(58, 85.555, 315.829)

Have a look what the booklet for
CIELCh(58, 85.555, 315.829)
contains.

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Color

CIELCh(58, 85.315, 315.732)

Conversions

Conversions Part 1

Format	Color
Hex	BD61F5
RGB	189, 97, 245
RGB Percent	74%, 38%, 96%
CMY	0.2588, 0.6196, 0.0392
CMYK	0.23, 0.60, 0.00, 0.04
HSL	277°, 88%, 67%
HSV	277°, 60%, 96%
XYZ	41.7425, 25.9610, 89.1973
YIQ	141.3800, 7.3240, 65.5320

Conversions

Conversions Part 2

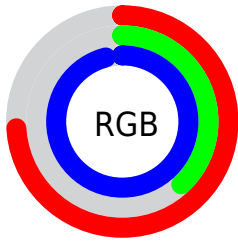
Format	Color
R_{YB}	189, 97, 245
Decimal	12411381
CIE _{Lab}	58.00, 61.09, -59.55
CIE _{LCh}	58, 85.315, 315.732
Yxy	25.9610, 0.2660, 0.1655
Android (android.graphics.Color)	4290601461 (0xFFBD61F5)
YUV	141.3800, 51.0847, 41.7627
Hunter-Lab	50.9519, 57.0707, -68.1278

Details

The CIELCh color **58, 85.315, 315.732** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **88, 80.315, 130.402**, and the grayscale version is **59, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 62.922, 324.604**, and **38, 85.499, 315.637** is the 20% darker color. If you saturate the color by 10%, you get **53, 97.449, 315.910**, and if you desaturate by 10%, it is **64, 71.802, 315.404**.

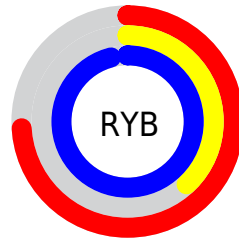
Distribution



Red (74%)

Green (38%)

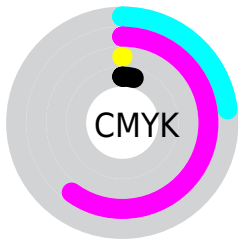
Blue (96%)



Red (74%)

Yellow (38%)

Blue (96%)

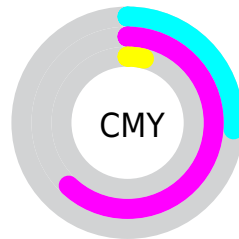


Cyan (23%)

Magenta (60%)

Yellow (0%)

Black (4%)



Cyan (26%)


Magenta (62%)


Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 85.315, 315.732 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 58, 85.315, 315.732 by changing the saturation by 10% instead.


 58, 85.315,
315.732


 58, 85.315,
315.732


 100, 85.315,
315.732


 48, 85.315,
315.732


 78, 85.315,
315.732


 38, 85.315,
315.732


 88, 85.315,
315.732

 28, 85.315,
315.732

 98, 85.315,
315.732

 18, 85.315,
315.732

 8, 85.315, 315.732

 0, 85.315, 315.732

58, 85.315,
315.732

58, 85.315,
315.732

53, 97.449,
315.910

64, 71.802,
315.404

49, 107.387,
315.856

70, 57.575,
314.991

45, 114.333,
315.485

76, 43.095,
314.539

43, 118.134,
314.823

83, 28.660,
314.078

90, 14.451,
313.626

96, 0.567, 312.896

100, 5.079,
114.205

100, 5.059,
109.785

Harmonies

Complementary

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



58, 85.315, 315.732



88, 80.315, 130.402

Rectangle

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



58, 85.315, 315.732



58, 85.315, 5.732



58, 85.315, 135.732



58, 85.315, 185.732

Sweetspot

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



58, 85.314, 315.732



87, 26.048, 313.970



63, 51.984, 279.514



45, 18.156, 314.103



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



58, 85.314, 315.732



54, 102.425, 315.920



65, 81.436, 331.378



48, 7.878, 313.585



32, 95.995, 315.006



6, 41.653, 316.148

Inverse Universe

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



62, 61.603, 359.352



60, 73.043, 2.601



87, 82.763, 142.097



48, 5.717, 351.591



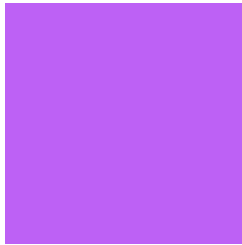
39, 67.260, 13.793



9, 29.627, 5.696

Previews

White Background



This preview shows how the CIELCh color 58, 85.315, 315.732 looks on a white background.

Color Contrast Check

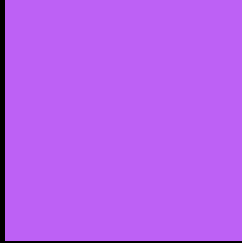
Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 85.315, 315.732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

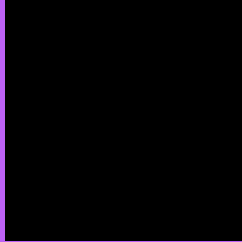
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 85.315, 315.732

Background



This preview shows how black text looks on a background with the CIELCh color 58, 85.315, 315.732.

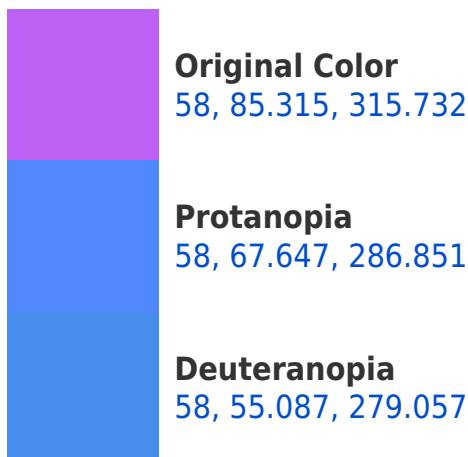


This preview shows how white text looks on a background with the CIELCh color 58, 85.315, 315.732.

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
58, 18.603, 3.907

Trichromacy



Original Color
58, 85.315, 315.732



Protanomaly
57, 73.189, 297.327



Deuteranomaly
56, 64.863, 294.503



Tritanomaly
57, 40.530, 327.206

Monochromacy



Original Color
58, 85.315, 315.732



Achromatopsia
59, 0.008, 296.813



Achromatomaly
57, 33.044, 314.160

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 85.315, 315.732 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, 97, 245)` looks like.

```
.text, #text, p{  
    color:rgb(189, 97, 245)  
}
```

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, 97, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 97, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 85.315, 315.732 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, 97, 245) }
```

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

```
.border{ border-color:rgb(189, 97, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 97, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 97, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 97, 245);  
box-shadow:4px 4px 4px 4px rgb(189, 97,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 85.315, 315.732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 97, 245) }
```

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

```
.background{ background-color: rgb(189, 97,  
245) }
```

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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