

Converting Colors

CIELCh(58, 84.048, 311.739)

Have a look what the booklet for
CIELCh(58, 84.048, 311.739)
contains.

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Color

CIELCh(58, 84.114, 311.751)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | B068FB |
| RGB | 176, 104, 251 |
| RGB Percent | 69%, 41%, 98% |
| CMY | 0.3112, 0.5935, 0.0172 |
| CMYK | 0.30, 0.59, 0.00, 0.02 |
| HSL | 269°, 94%, 69% |
| HSV | 269°, 59%, 98% |
| XYZ | 40.0904, 25.9610, 93.8543 |
| YIQ | 142.2860, -4.2750, 60.9810 |

Conversions

Conversions Part 2

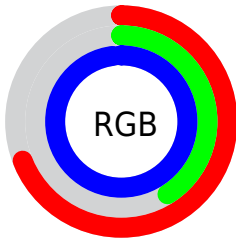
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 176, 104, 251 |
| Decimal | 11561211 |
| CIE Lab | 58.00, 56.01, -62.75 |
| CIE LCh | 58, 84.114, 311.751 |
| Yxy | 25.9610, 0.2507, 0.1624 |
| Android (android.graphics.Color) | 4289751291 (0xFFB068FB) |
| YUV | 142.2860, 53.5960, 29.5672 |
| Hunter-Lab | 50.9519, 51.2831, -73.5468 |

Details

The CIELCh color **58, 84.114, 311.751** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **91, 76.731, 126.088**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 57.683, 320.304**, and **38, 84.580, 311.682** is the 20% darker color. If you saturate the color by 10%, you get **52, 97.541, 312.139**, and if you desaturate by 10%, it is **64, 69.740, 311.244**.

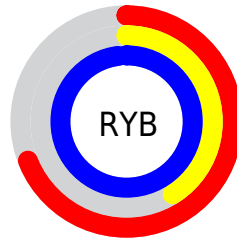
Distribution



Red (69%)

Green (41%)

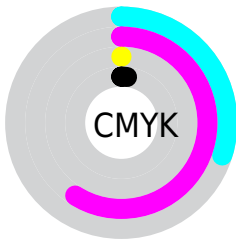
Blue (98%)



Red (69%)

Yellow (41%)

Blue (98%)

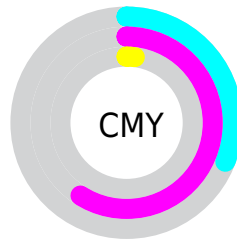


Cyan (30%)

Magenta (59%)

Yellow (0%)

Black (2%)



Cyan (31%)


Magenta (59%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 84.114, 311.751 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, 84.114, 311.751 by changing the saturation by 10% instead.


 58, 84.114,
311.751


 58, 84.114,
311.751


 100, 84.114,
311.751


 48, 84.114,
311.751


 78, 84.114,
311.751

 38, 84.114,
311.751


 88, 84.114,
311.751

 28, 84.114,
311.751

 98, 84.114,
311.751

 18, 84.114,
311.751

 8, 84.114, 311.751

 0, 84.114, 311.751

58, 84.114,
311.751

58, 84.114,
311.751

52, 97.541,
312.139

64, 69.740,
311.244

47, 109.144,
312.307

71, 55.028,
310.688

43, 117.878,
312.134

78, 40.350,
310.128

40, 123.099,
311.542

85, 25.917,
309.591

40, 123.686,
311.453

92, 11.842,
309.089

99, 1.826, 128.725

100, 2.208,
109.978

Harmonies

Complementary

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



58, 84.114, 311.751



91, 76.731, 126.088

Rectangle

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



58, 84.114, 311.751



58, 84.114, 1.751



58, 84.114, 131.751



58, 84.114, 181.751

Sweetspot

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



58, 84.113, 311.751



87, 25.362, 309.559



71, 42.410, 265.832



44, 17.695, 309.712



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, 84.113, 311.751



52, 100.642, 312.179



67, 87.389, 326.898



48, 7.784, 309.131



29, 99.743, 311.649



6, 43.235, 312.390

Inverse Universe

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



65, 64.379, 349.871



61, 74.571, 352.160



88, 88.133, 139.031



49, 6.321, 343.850



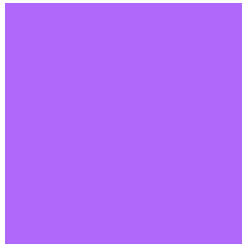
41, 67.693, 1.093



10, 31.165, 355.409

Previews

White Background



This preview shows how the CIELCh color 58, 84.114, 311.751 looks on a white background.

Color Contrast Check

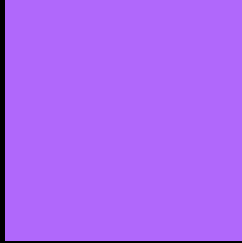
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.114, 311.751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

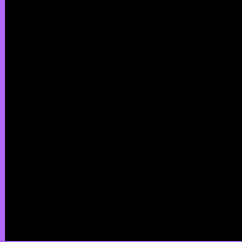
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 84.114, 311.751

Background



This preview shows how black text looks on a background with the CIELCh color 58, 84.114, 311.751.

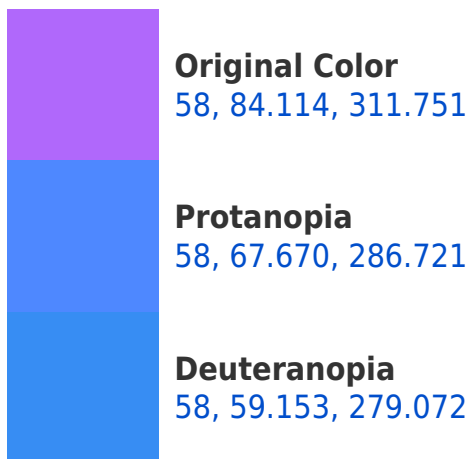



This preview shows how white text looks on a background with the CIELCh color 58, 84.114, 311.751.

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, 10.709, 348.601

Trichromacy



Original Color
58, 84.114, 311.751



Protanomaly
57, 73.106, 296.005



Deuteranomaly
57, 67.706, 291.876



Tritanomaly
57, 37.176, 316.602

Monochromacy



Original Color
58, 84.114, 311.751



Achromatopsia
59, 0.008, 296.813



Achromatomaly
58, 31.678, 310.160

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 84.114, 311.751 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(176, 104, 251)` looks like.

```
.text, #text, p{  
    color:rgb(176, 104, 251)  
}
```

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(176, 104, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 104, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 84.114, 311.751 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(176, 104, 251) }
```

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

```
.border{ border-color:rgb(176, 104, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 104, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 104, 251); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 104, 251); box-shadow:4px 4px 4px 4px rgb(176, 104, 251) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 84.114, 311.751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 104, 251) }
```

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

```
.background{ background-color: rgb(176,  
104, 251) }
```

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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