

Converting Colors

CIELCh(68, 59.838, 311.214)

Have a look what the booklet for
CIELCh(68, 59.838, 311.214)
contains.

CIELCh(68, 59.500, 311.207)	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(68, 59.500, 311.207)

Conversions

Conversions Part 1

Format	Color
Hex	C38FF7
RGB	195, 143, 247
RGB Percent	76%, 56%, 97%
CMY	0.2352, 0.4391, 0.0313
CMYK	0.21, 0.42, 0.00, 0.03
HSL	270°, 87%, 76%
HSV	270°, 42%, 97%
XYZ	49.1278, 37.9720, 92.7527
YIQ	170.4040, -2.3920, 43.3680

Conversions

Conversions Part 2

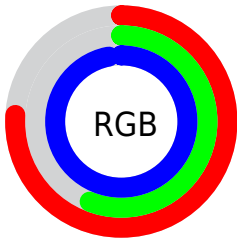
Format	Color
RYB	195, 143, 247
Decimal	12816375
CIELab	68.00, 39.20, -44.76
CIELCh	68, 59.500, 311.207
Yxy	37.9720, 0.2732, 0.2111
Android (android.graphics.Color)	4291006455 (0xFFC38FF7)
YUV	170.4040, 37.7618, 21.5707
Hunter-Lab	61.6215, 34.4717, -46.1084

Details

The CIELCh color $68, 59.500, 311.207$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $92, 55.939, 127.080$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $86, 35.396, 324.677$, and $48, 59.696, 311.235$ is the 20% darker color. If you saturate the color by 10%, you get $61, 73.956, 311.738$, and if you desaturate by 10%, it is $75, 44.950, 310.657$.

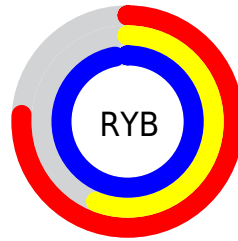
Distribution



Red (76%)

Green (56%)

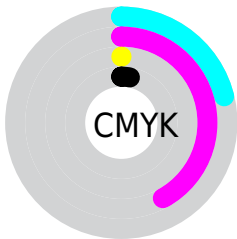
Blue (97%)



Red (76%)

Yellow (56%)

Blue (97%)

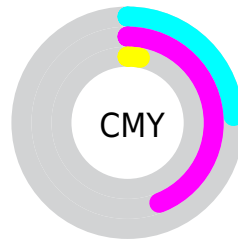


Cyan (21%)

Magenta (42%)

Yellow (0%)

Black (3%)



Cyan (24%)


Magenta (44%)


Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 59.500, 311.207 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 68, 59.500, 311.207 by changing the saturation by 10% instead.

 68, 59.500,
311.207


 68, 59.500,
311.207


 100, 59.500,
311.207

 58, 59.500,
311.207


 88, 59.500,
311.207

 48, 59.500,
311.207

 98, 59.500,
311.207

 38, 59.500,
311.207

 28, 59.500,
311.207

 18, 59.500,
311.207

 8, 59.500, 311.207

 0, 59.500, 311.207

68, 59.500,
311.207

68, 59.500,
311.207

61, 73.956,
311.738

75, 44.950,
310.657

55, 87.880,
312.196

82, 30.574,
310.120

50, 100.579,
312.502

89, 16.511,
309.613

45, 111.114,
312.549

96, 2.833, 309.111

42, 118.492,
312.217

100, 4.035,
109.857

40, 122.052,
311.693

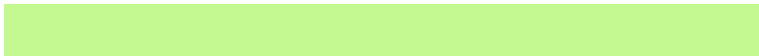
Harmonies

Complementary

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



68, 59.500, 311.207



92, 55.939, 127.080

Rectangle

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



68, 59.500, 311.207



68, 59.500, 1.207



68, 59.500, 131.207



68, 59.500, 181.207

Sweetspot

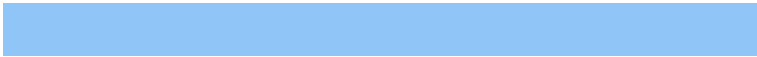
The Sweet Spot groups the original color and five complimentary colors.



68, 59.498, 311.207



91, 18.224, 309.658



78, 30.662, 261.026



47, 12.792, 309.768



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 59.498, 311.207



64, 74.271, 311.686



73, 64.493, 326.202



47, 7.669, 309.486



29, 98.510, 311.891



5, 41.488, 312.420

Inverse Universe

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



72, 46.761, 347.956



69, 57.494, 349.257



89, 64.582, 140.800



48, 6.172, 344.405



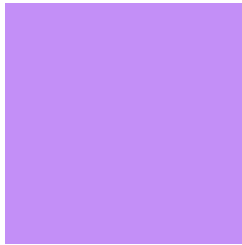
40, 66.897, 2.024



9, 30.257, 355.900

Previews

White Background



This preview shows how the CIELCh color 68, 59.500, 311.207 looks on a white background.

Color Contrast Check

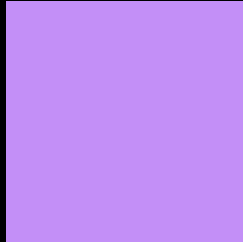
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 68, 59.500, 311.207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

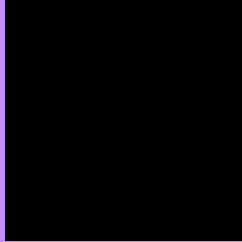
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 59.500, 311.207

Background



This preview shows how black text looks on a background with the CIELCh color 68, 59.500, 311.207.

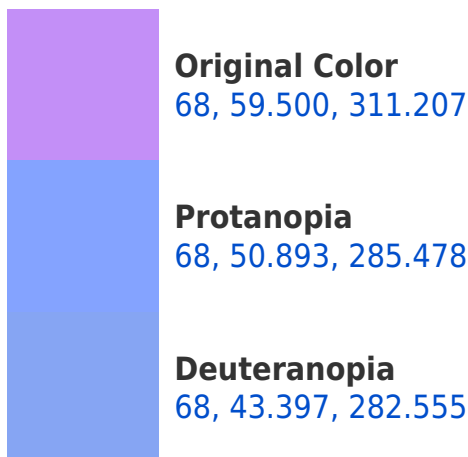


This preview shows how white text looks on a background with the CIELCh color 68, 59.500, 311.207.

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
68, 11.311, 341.259

Trichromacy



Original Color
68, 59.500, 311.207



Protanomaly
68, 52.892, 294.972



Deuteranomaly
68, 47.964, 294.491



Tritanomaly
68, 28.220, 317.945

Monochromacy



Original Color
68, 59.500, 311.207



Achromatopsia
70, 0.009, 296.813



Achromatomaly
69, 22.090, 309.956

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 59.500, 311.207 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(195, 143, 247)` looks like.

```
.text, #text, p{  
    color:rgb(195, 143, 247)  
}
```

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(195, 143, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 143, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 59.500, 311.207 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(195, 143, 247) }
```

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

```
.border{ border-color:rgb(195, 143, 247) }
```

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

Here you see how a box with a 4 pixel rgb(195, 143, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 143, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 143, 247);  
box-shadow:4px 4px 4px 4px rgb(195, 143,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 59.500, 311.207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 143, 247) }
```

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

```
.background{ background-color: rgb(195,  
143, 247) }
```

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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