

Converting Colors

CIELCh(70, 58.554, 311.679)

Have a look what the booklet for
CIELCh(70, 58.554, 311.679)
contains.

CIELCh(70, 58.804, 311.615)	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(70, 58.804, 311.615)

Conversions

Conversions Part 1

Format	Color
Hex	C994FB
RGB	201, 148, 251
RGB Percent	79%, 58%, 98%
CMY	0.2103, 0.4182, 0.0142
CMYK	0.20, 0.41, 0.00, 0.01
HSL	271°, 93%, 78%
HSV	271°, 41%, 99%
XYZ	52.3073, 40.7494, 96.6931
YIQ	175.5890, -1.4750, 43.2690

Conversions

Conversions Part 2

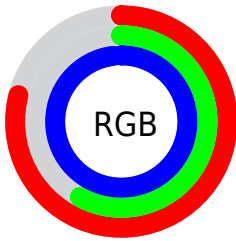
Format	Color
R _Y B	201, 148, 251
Decimal	13210875
CIE Lab	70.00, 39.05, -43.96
CIE LCh	70, 58.804, 311.615
Yxy	40.7494, 0.2757, 0.2148
Android (android.graphics.Color)	4291400955 (0xFFC994FB)
YUV	175.5890, 37.1776, 22.2854
Hunter-Lab	63.8353, 34.5530, -45.1236

Details

The CIELCh color $70, 58.804, 311.615$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $93, 55.504, 127.650$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $88, 32.611, 325.559$, and $50, 58.903, 311.619$ is the 20% darker color. If you saturate the color by 10%, you get $63, 73.470, 312.131$, and if you desaturate by 10%, it is $77, 44.053, 311.080$.

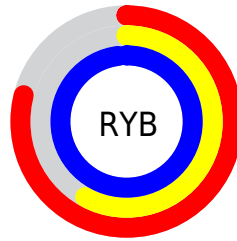
Distribution



Red (79%)

Green (58%)

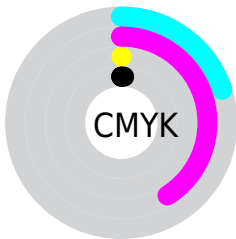
Blue (98%)



Red (79%)

Yellow (58%)

Blue (98%)

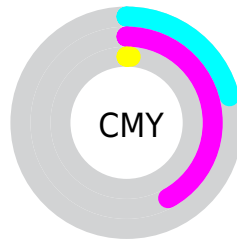


Cyan (20%)

Magenta (41%)

Yellow (0%)

Black (1%)



Cyan (21%)


Magenta (42%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 58.804, 311.615 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 70, 58.804, 311.615 by changing the saturation by 10% instead.


 70, 58.804,
311.615


 70, 58.804,
311.615


 100, 58.804,
311.615


 60, 58.804,
311.615


 90, 58.804,
311.615

 50, 58.804,
311.615

 40, 58.804,
311.615

 30, 58.804,
311.615

 20, 58.804,
311.615

 10, 58.804,
311.615

 0, 58.804, 311.615

70, 58.804,
311.615

70, 58.804,
311.615

63, 73.470,
312.131

77, 44.053,
311.080

57, 87.621,
312.578

84, 29.479,
310.557

52, 100.579,
312.879

91, 15.223,
310.062

47, 111.423,
312.933

98, 1.355, 309.514

43, 119.157,
312.624

100, 1.822,
109.999

41, 123.297,
312.021

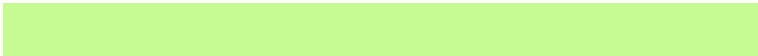
Harmonies

Complementary

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



70, 58.804, 311.615



93, 55.504, 127.650

Rectangle

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



70, 58.804, 311.615



70, 58.804, 1.615



70, 58.804, 131.615



70, 58.804, 181.615

Sweetspot

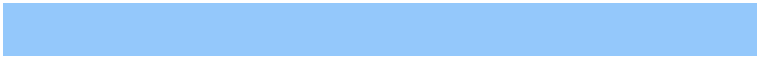
The Sweet Spot groups the original color and five complimentary colors.



70, 58.802, 311.615



91, 16.848, 310.111



79, 30.878, 262.652



48, 11.195, 310.175



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 58.802, 311.615



66, 71.405, 312.034



75, 64.014, 326.641



48, 7.824, 309.991



30, 99.208, 312.219



6, 43.255, 313.110

Inverse Universe

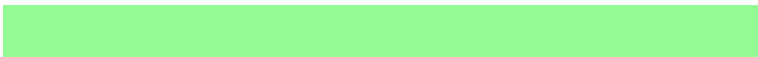
The Inverse Universe completely reimagines the original color for something new.



74, 45.835, 348.691



70, 55.006, 349.859



91, 64.167, 141.265



49, 6.217, 345.213



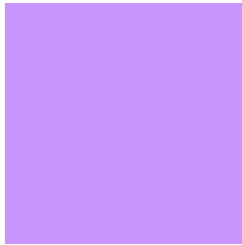
40, 67.441, 3.470



10, 30.935, 357.380

Previews

White Background



This preview shows how the CIELCh color 70, 58.804, 311.615 looks on a white background.

Color Contrast Check

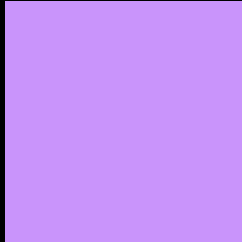
Large Text (above 18pt) WCAG AA × Fail

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 70, 58.804, 311.615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

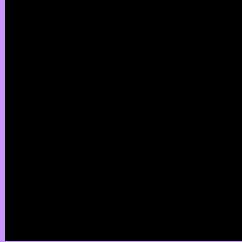
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 58.804, 311.615

Background



This preview shows how black text looks on a background with the CIELCh color 70, 58.804, 311.615.

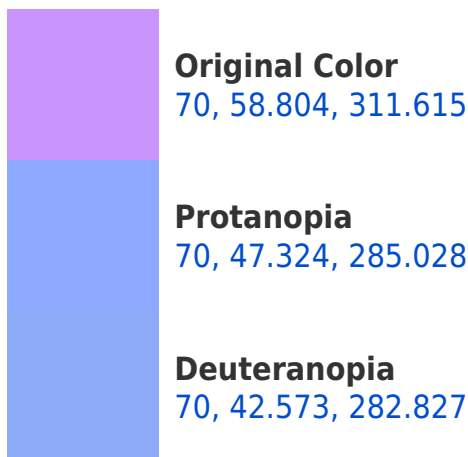


This preview shows how white text looks on a background with the CIELCh color 70, 58.804, 311.615.

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
70, 11.847, 343.652

Trichromacy



Original Color
70, 58.804, 311.615



Protanomaly
70, 51.004, 295.669



Deuteranomaly
70, 47.713, 295.078

Tritanomaly
70, 28.379, 319.271

Monochromacy



Original Color
70, 58.804, 311.615



Achromatopsia
72, 0.009, 296.813



Achromatomaly
71, 21.436, 310.368

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 58.804, 311.615 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(201, 148, 251)` looks like.

```
.text, #text, p{  
    color:rgb(201, 148, 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(201, 148, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 148, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 58.804, 311.615 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(201, 148, 251) }
```

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

```
.border{ border-color:rgb(201, 148, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 148, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 148, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 148, 251);  
box-shadow:4px 4px 4px 4px rgb(201, 148,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 58.804, 311.615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 148, 251) }
```

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

```
.background{ background-color: rgb(201,  
148, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor