

Converting Colors

CIELCh(70, 57.729, 311.598)

Have a look what the booklet for
CIELCh(70, 57.729, 311.598)
contains.

CIELCh(70, 57.681, 311.590)	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, 57.681, 311.590)

Conversions

Conversions Part 1

Format	Color
Hex	C995FA
RGB	201, 149, 250
RGB Percent	79%, 58%, 98%
CMY	0.2123, 0.4162, 0.0201
CMYK	0.20, 0.40, 0.00, 0.02
HSL	271°, 91%, 78%
HSV	271°, 40%, 98%
XYZ	52.0150, 40.7494, 95.4568
YIQ	176.0620, -1.4290, 42.4350

Conversions

Conversions Part 2

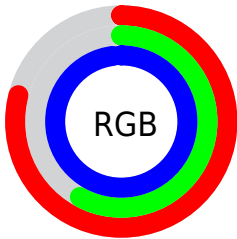
Format	Color
R_{YB}	201, 149, 250
Decimal	13211130
CIE _{Lab}	70.00, 38.29, -43.14
CIE _{LCh}	70, 57.681, 311.590
Yxy	40.7494, 0.2764, 0.2165
Android (android.graphics.Color)	4291401210 (0xFFC995FA)
YUV	176.0620, 36.4514, 21.8706
Hunter-Lab	63.8353, 33.7357, -43.9753

Details

The CIELCh color $70, 57.681, 311.590$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $93, 54.495, 127.683$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $88, 31.983, 325.537$, and $50, 57.742, 311.578$ is the 20% darker color. If you saturate the color by 10%, you get $63, 72.289, 312.108$, and if you desaturate by 10%, it is $77, 43.007, 311.055$.

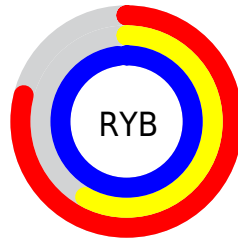
Distribution



Red (79%)

Green (58%)

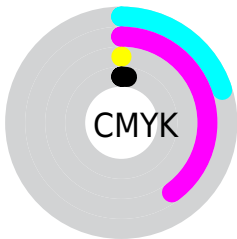
Blue (98%)



Red (79%)

Yellow (58%)

Blue (98%)

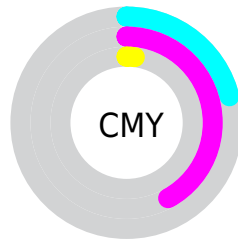


Cyan (20%)

Magenta (40%)

Yellow (0%)

Black (2%)



Cyan (21%)


Magenta (42%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 57.681, 311.590 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, 57.681, 311.590 by changing the saturation by 10% instead.


 70, 57.681,
311.590


 70, 57.681,
311.590


 100, 57.681,
311.590


 60, 57.681,
311.590


 90, 57.681,
311.590

 50, 57.681,
311.590

 40, 57.681,
311.590

 30, 57.681,
311.590

 20, 57.681,
311.590

 10, 57.681,
311.590

 0, 57.681, 311.590

70, 57.681,
311.590

70, 57.681,
311.590

63, 72.289,
312.108

77, 43.007,
311.055

57, 86.417,
312.560

84, 28.519,
310.534

52, 99.404,
312.872

91, 14.353,
310.041

47, 110.346,
312.943

98, 0.575, 309.351

43, 118.249,
312.659

100, 2.592,
109.955

40, 122.724,
312.029

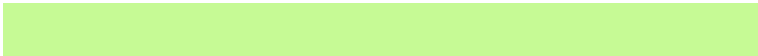
Harmonies

Complementary

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



70, 57.681, 311.590



93, 54.495, 127.683

Rectangle

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



70, 57.681, 311.590



70, 57.681, 1.590



70, 57.681, 131.590



70, 57.681, 181.590

Sweetspot

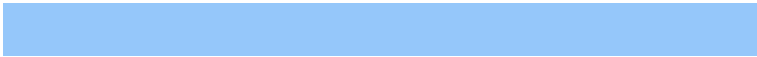
The Sweet Spot groups the original color and five complimentary colors.



70, 57.679, 311.590



91, 16.848, 310.118



79, 30.315, 262.509



48, 11.196, 310.181



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, 57.679, 311.590



66, 69.929, 311.989



75, 62.867, 326.612



48, 7.824, 309.997



30, 99.204, 312.223



6, 43.255, 313.115

Inverse Universe

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



73, 44.987, 348.624



71, 53.952, 349.717



90, 63.008, 141.325



49, 6.216, 345.224



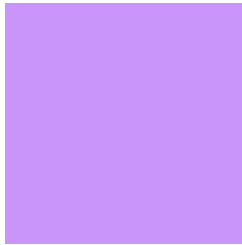
40, 67.440, 3.488



10, 30.933, 357.395

Previews

White Background



This preview shows how the CIELCh color 70, 57.681, 311.590 looks on a white background.

Color Contrast Check

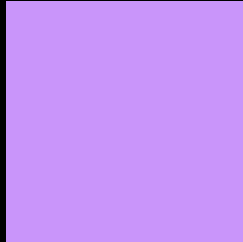
Large Text (above 18pt) WCAG AA × Fail

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, 57.681, 311.590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

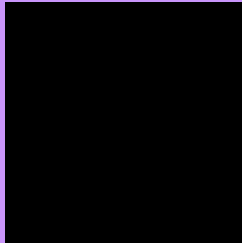
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 57.681, 311.590

Background



This preview shows how black text looks on a background with the CIELCh color 70, 57.681, 311.590.



This preview shows how white text looks on a background with the CIELCh color 70, 57.681, 311.590.

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



Original Color

70, 57.681, 311.590

Protanopia

70, 47.866, 285.558

Deuteranopia

70, 42.004, 282.963



Tritanopia
70, 11.847, 343.652

Trichromacy



Original Color
70, 57.681, 311.590



Protanomaly
70, 50.465, 295.633



Deuteranomaly
70, 46.633, 294.997



Tritanomaly
70, 27.089, 318.927

Monochromacy



Original Color
70, 57.681, 311.590



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, 57.681, 311.590 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, 149, 250)` looks like.

```
.text, #text, p{  
    color:rgb(201, 149, 250)  
}
```

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, 149, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 149, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 57.681, 311.590 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, 149, 250) }
```

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

```
.border{ border-color:rgb(201, 149, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 149, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 149, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 149, 250);  
box-shadow:4px 4px 4px 4px rgb(201, 149,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 57.681, 311.590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 149, 250) }
```

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

```
.background{ background-color: rgb(201,  
149, 250) }
```

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