

Converting Colors

CIELCh(70, 54.783, 311.029)

Have a look what the booklet for
CIELCh(70, 54.783, 311.029)
contains.

CIELCh(70, 54.783, 311.029)	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, 54.783, 311.029)

Conversions

Conversions Part 1

Format	Color
Hex	C797F7
RGB	199, 151, 247
RGB Percent	78%, 59%, 97%
CMY	0.2215, 0.4096, 0.0333
CMYK	0.19, 0.39, 0.00, 0.03
HSL	270°, 85%, 78%
HSV	270°, 39%, 97%
XYZ	51.1323, 40.7494, 92.7695
YIQ	176.2960, -2.2080, 40.0320

Conversions

Conversions Part 2

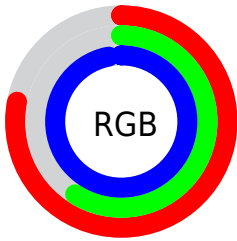
Format	Color
R _Y B	199, 151, 247
Decimal	13080567
CIE Lab	70.00, 35.96, -41.33
CIE LCh	70, 54.783, 311.029
Yxy	40.7494, 0.2769, 0.2207
Android (android.graphics.Color)	4291270647 (0xFFC797F7)
YUV	176.2960, 34.8571, 19.9114
Hunter-Lab	63.8353, 31.2675, -41.4793

Details

The CIELCh color `70, 54.783, 311.029` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `92, 51.771, 127.224`, and the grayscale version is `72, 0.009, 296.813`.

A 20% lighter version of the original color is `88, 30.725, 325.494`, and `50, 54.776, 310.968` is the 20% darker color. If you saturate the color by 10%, you get `63, 69.282, 311.571`, and if you desaturate by 10%, it is `77, 40.291, 310.480`.

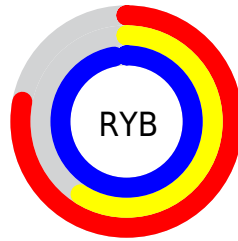
Distribution



Red (78%)

Green (59%)

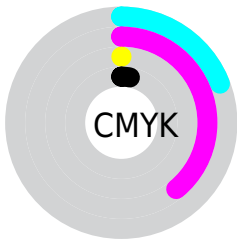
Blue (97%)



Red (78%)

Yellow (59%)

Blue (97%)

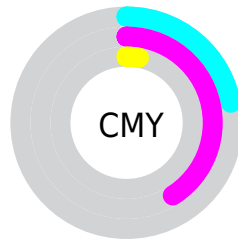


Cyan (19%)

Magenta (39%)

Yellow (0%)

Black (3%)



Cyan (22%)


Magenta (41%)


Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 54.783, 311.029 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, 54.783, 311.029 by changing the saturation by 10% instead.


 70, 54.783,
311.029


 70, 54.783,
311.029


 100, 54.783,
311.029


 60, 54.783,
311.029


 90, 54.783,
311.029

 50, 54.783,
311.029

 40, 54.783,
311.029

 30, 54.783,
311.029

 20, 54.783,
311.029

 10, 54.783,
311.029

 0, 54.783, 311.029

70, 54.783,
311.029

70, 54.783,
311.029

63, 69.282,
311.571

77, 40.291,
310.480

57, 83.414,
312.059

84, 26.027,
309.952

51, 96.573,
312.425

91, 12.105,
309.455

46, 107.890,
312.567

98, 1.421, 129.117

42, 116.353,
312.368

100, 4.294,
109.839

40, 121.404,
311.762

39, 121.862,
311.692

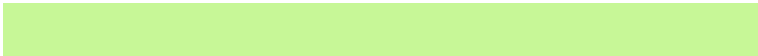
Harmonies

Complementary

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



70, 54.783, 311.029



92, 51.771, 127.224

Rectangle

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



70, 54.783, 311.029



70, 54.783, 1.029



70, 54.783, 131.029



70, 54.783, 181.029

Sweetspot

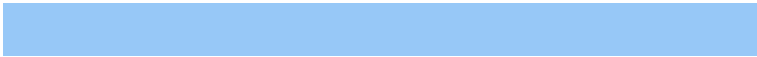
The Sweet Spot groups the original color and five complimentary colors.



70, 54.781, 311.029



91, 16.798, 309.605



79, 28.397, 260.253



48, 11.163, 309.670



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, 54.781, 311.029



67, 68.355, 311.473



75, 59.777, 326.050



47, 7.669, 309.482



29, 98.512, 311.889



5, 41.488, 312.416

Inverse Universe

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



73, 43.241, 347.534



71, 53.307, 348.646



89, 59.815, 141.114



48, 6.173, 344.399



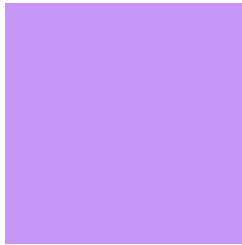
40, 66.898, 2.014



9, 30.258, 355.892

Previews

White Background



This preview shows how the CIELCh color 70, 54.783, 311.029 looks on a white background.

Color Contrast Check

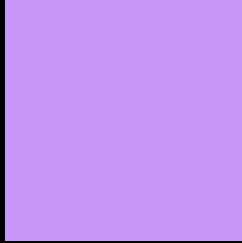
Large Text (above 18pt) WCAG AA × Fail

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, 54.783, 311.029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

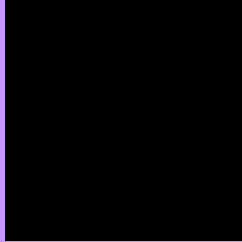
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 54.783, 311.029

Background



This preview shows how black text looks on a background with the CIELCh color 70, 54.783, 311.029.

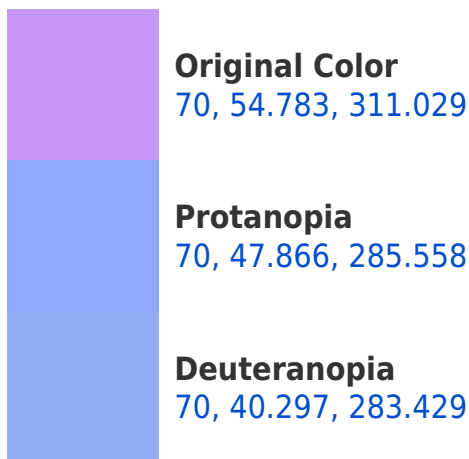


This preview shows how white text looks on a background with the CIELCh color 70, 54.783, 311.029.

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, 10.949, 339.925

Trichromacy



Original Color
70, 54.783, 311.029

Protanomaly
70, 49.330, 294.861

Deuteranomaly
70, 44.422, 294.813

Tritanomaly
70, 26.133, 317.289

Monochromacy



Original Color
70, 54.783, 311.029

Achromatopsia
72, 0.009, 296.813

Achromatomaly
71, 20.167, 309.376

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 54.783, 311.029 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(199, 151, 247)` looks like.

```
.text, #text, p{  
    color:rgb(199, 151, 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(199, 151, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 151, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 54.783, 311.029 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(199, 151, 247) }
```

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

```
.border{ border-color:rgb(199, 151, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 151, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 151, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 151, 247);  
box-shadow:4px 4px 4px 4px rgb(199, 151,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 54.783, 311.029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 151, 247) }
```

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

```
.background{ background-color: rgb(199,  
151, 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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