

Converting Colors

CIELCh(67, 70.193, 314.117)

Have a look what the booklet for
CIELCh(67, 70.193, 314.117)
contains.

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Color

CIELCh(67, 70.146, 314.070)

Conversions

Conversions Part 1

Format	Color
Hex	CC85FF
RGB	204, 133, 255
RGB Percent	80%, 52%, 100%
CMY	0.2017, 0.4800, 0.0017
CMYK	0.20, 0.48, 0.00, 0.00
HSL	275°, 99%, 76%
HSV	275°, 48%, 100%
XYZ	51.0932, 36.6320, 98.6123
YIQ	168.1370, 3.1540, 52.9940

Conversions

Conversions Part 2

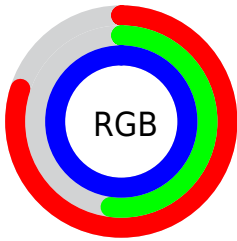
Format	Color
RYB	204, 133, 255
Decimal	13403647
CIELab	67.00, 48.79, -50.40
CIElCh	67, 70.146, 314.070
Yxy	36.6320, 0.2742, 0.1966
Android (android.graphics.Color)	4291593727 (0xFFCC85FF)
YUV	168.1370, 42.8235, 31.4519
Hunter-Lab	60.5244, 44.7678, -54.2341

Details

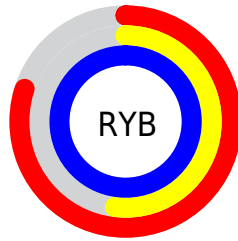
The CIELCh color `67, 70.146, 314.070` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `93, 66.311, 129.628`, and the grayscale version is `69, 0.009, 296.813`.

A 20% lighter version of the original color is `84, 42.003, 325.881`, and `47, 70.190, 313.937` is the 20% darker color. If you saturate the color by 10%, you get `61, 84.440, 314.461`, and if you desaturate by 10%, it is `74, 55.333, 313.613`.

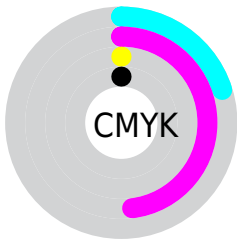
Distribution



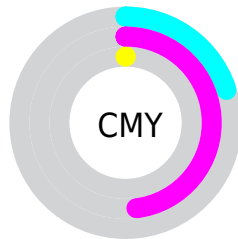
- Red (80%)
- Green (52%)
- Blue (100%)



- Red (80%)
- Yellow (52%)
- Blue (100%)



- Cyan (20%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (48%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 70.146, 314.070 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 67, 70.146, 314.070 by changing the saturation by 10% instead.


 67, 70.146,
314.070


 67, 70.146,
314.070


 100, 70.146,
314.070


 57, 70.146,
314.070


 87, 70.146,
314.070

 47, 70.146,
314.070

 97, 70.146,
314.070

 37, 70.146,
314.070

 27, 70.146,
314.070

 17, 70.146,
314.070

 7, 70.146, 314.070

 0, 70.146, 314.070

67, 70.146,
314.070

67, 70.146,
314.070

61, 84.440,
314.461

74, 55.333,
313.613

55, 97.595,
314.722

80, 40.419,
313.132

50, 108.772,
314.767

87, 25.657,
312.656

47, 117.052,
314.501

94, 11.191,
312.196

44, 121.884,
313.855

100, 0.213,
109.798

44, 122.666,
313.701

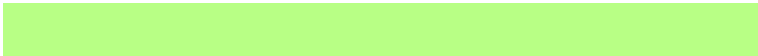
Harmonies

Complementary

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



67, 70.146, 314.070



93, 66.311, 129.628

Rectangle

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



67, 70.146, 314.070



67, 70.146, 4.070



67, 70.146, 134.070



67, 70.146, 184.070

Sweetspot

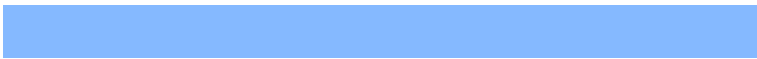
The Sweet Spot groups the original color and five complimentary colors.



67, 70.144, 314.070



90, 19.989, 312.474



74, 39.490, 271.383



47, 13.837, 312.574



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 70.144, 314.070



61, 83.293, 314.430



73, 71.426, 328.989



49, 8.072, 312.269



32, 98.779, 313.893



7, 44.730, 315.158

Inverse Universe

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



70, 52.119, 354.038



66, 61.255, 355.762



91, 71.818, 142.265



50, 6.055, 349.123



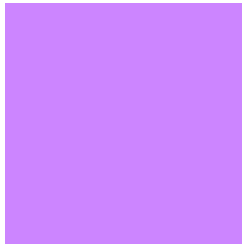
41, 68.140, 10.045



10, 31.346, 3.254

Previews

White Background



This preview shows how the CIELCh color 67, 70.146, 314.070 looks on a white background.

Color Contrast Check

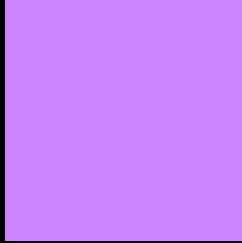
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 67, 70.146, 314.070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

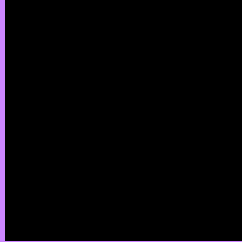
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 70.146, 314.070

Background



This preview shows how black text looks on a background with the CIELCh color 67, 70.146, 314.070.

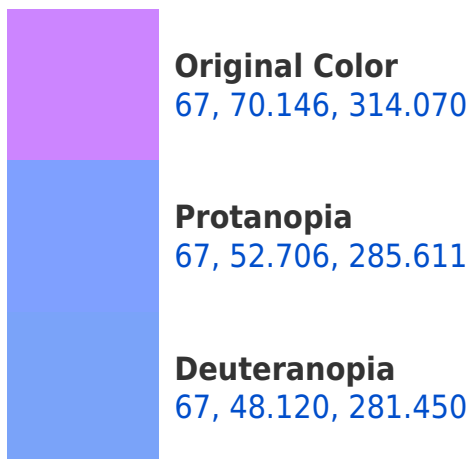


This preview shows how white text looks on a background with the CIELCh color 67, 70.146, 314.070.

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
67, 14.818, 356.800

Trichromacy



Original Color
67, 70.146, 314.070



Protanomaly
67, 58.116, 297.208



Deuteranomaly
67, 54.745, 295.520



Tritanomaly
67, 33.485, 323.651

Monochromacy



Original Color
67, 70.146, 314.070



Achromatopsia
69, 0.009, 296.813



Achromatomaly
68, 26.101, 313.137

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 70.146, 314.070 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(204, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 133, 255)  
}
```

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(204, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 133, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 70.146, 314.070 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(204, 133, 255) }
```

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

```
.border{ border-color:rgb(204, 133, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 133,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 70.146, 314.070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 133, 255) }
```

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

```
.background{ background-color: rgb(204,  
133, 255) }
```

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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