

Converting Colors

CIELCh(70, 66.862, 309.782)

Have a look what the booklet for
CIELCh(70, 66.862, 309.782)
contains.

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Color

CIELCh(70, 61.986, 311.101)

Conversions

Conversions Part 1

Format	Color
Hex	C993FF
RGB	201, 147, 255
RGB Percent	79%, 58%, 100%
CMY	0.2102, 0.4223, 0.0000
CMYK	0.21, 0.42, 0.00, 0.00
HSL	270°, 100%, 79%
HSV	270°, 42%, 100%
XYZ	52.9594, 40.7494, 100.8968
YIQ	175.4580, -2.4840, 45.0360

Conversions

Conversions Part 2

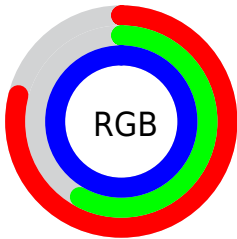
Format	Color
R _Y B	201, 147, 255
Decimal	13210623
CIE Lab	70.00, 40.75, -46.71
CIE LCh	70, 61.986, 311.101
Yxy	40.7494, 0.2721, 0.2094
Android (android.graphics.Color)	4291400703 (0xFFC993FF)
YUV	175.4580, 39.2142, 22.4003
Hunter-Lab	63.8353, 36.3766, -49.0279

Details

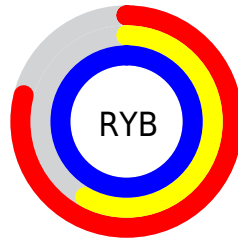
The CIELCh color $70, 61.986, 311.101$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $94, 57.601, 127.154$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $87, 33.240, 325.581$, and $50, 61.635, 311.256$ is the 20% darker color. If you saturate the color by 10%, you get $63, 76.089, 311.820$, and if you desaturate by 10%, it is $77, 46.335, 310.744$.

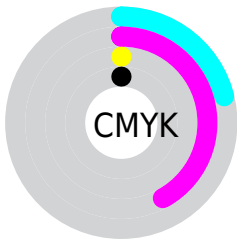
Distribution



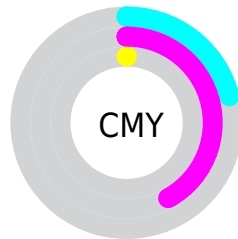
- Red (79%)
- Green (58%)
- Blue (100%)



- Red (79%)
- Yellow (58%)
- Blue (100%)



- Cyan (21%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (21%)
- Magenta (42%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 61.986, 311.101 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, 61.986, 311.101 by changing the saturation by 10% instead.


 70, 61.986,
311.101


 70, 61.986,
311.101


 100, 61.986,
311.101


 60, 61.986,
311.101


 90, 61.986,
311.101

 50, 61.986,
311.101

 40, 61.986,
311.101

 30, 61.986,
311.101

 20, 61.986,
311.101

 10, 61.986,
311.101

 0, 61.986, 311.101

70, 61.986,
311.101

70, 61.986,
311.101

63, 76.089,
311.820

77, 46.335,
310.744

57, 90.346,
312.272

84, 31.576,
310.207

51, 103.319,
312.570

91, 17.135,
309.701

47, 114.037,
312.604

98, 3.088, 309.201

43, 121.488,
312.257

100, 0.012,
296.813

41, 124.987,
311.727

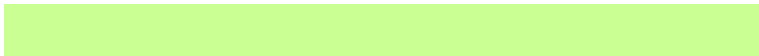
Harmonies

Complementary

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



70, 61.986, 311.101



94, 57.601, 127.154

Rectangle

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



70, 61.986, 311.101



70, 61.986, 1.101



70, 61.986, 131.101



70, 61.986, 181.101

Sweetspot

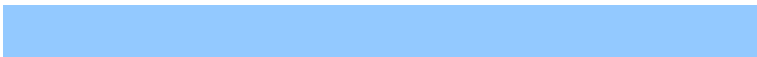
The Sweet Spot groups the original color and five complimentary colors.



70, 61.264, 311.292



91, 18.232, 309.738



79, 32.153, 262.970



47, 12.798, 309.848



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, 61.264, 311.292



64, 74.283, 311.757



76, 66.602, 326.703



49, 7.935, 309.568



30, 100.482, 311.923



6, 44.898, 312.941

Inverse Universe

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



74, 48.061, 348.123



69, 57.426, 349.402



92, 66.785, 141.133



50, 6.373, 344.536



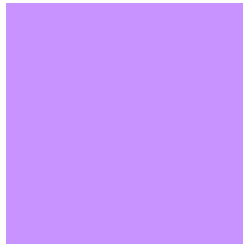
41, 68.223, 2.336



10, 31.847, 356.700

Previews

White Background



This preview shows how the CIELCh color 70, 61.986, 311.101 looks on a white background.

Color Contrast Check

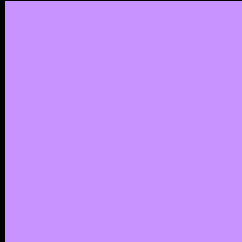
Large Text (above 18pt) WCAG AA × Fail

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, 61.986, 311.101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

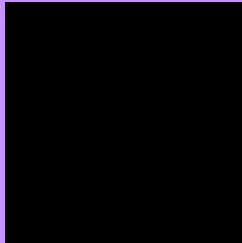
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 61.986, 311.101

Background



This preview shows how black text looks on a background with the CIELCh color 70, 61.986, 311.101.

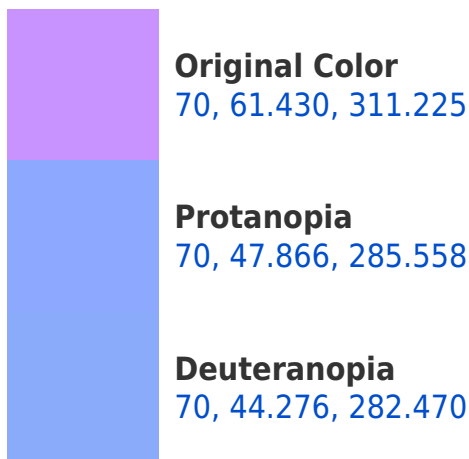


This preview shows how white text looks on a background with the CIELCh color 70, 61.986, 311.101.

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, 11.546, 342.471

Trichromacy



Original Color
70, 61.430, 311.225



Protanomaly
70, 52.138, 296.081



Deuteranomaly
70, 49.329, 294.524

Tritanomaly
70, 28.709, 318.112

Monochromacy



Original Color
70, 61.430, 311.225



Achromatopsia
72, 0.009, 296.813



Achromatomaly
71, 22.469, 309.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 61.986, 311.101 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, 147, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 147, 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(201, 147, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 147, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 61.986, 311.101 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, 147, 255) }
```

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

```
.border{ border-color:rgb(201, 147, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 147, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 147, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 147, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 147,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 61.986, 311.101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 147, 255) }
```

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

```
.background{ background-color: rgb(201,  
147, 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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