

Converting Colors

CIELCh(72, 76.553, 306.283)

Have a look what the booklet for
CIELCh(72, 76.553, 306.283)
contains.

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Color

CIELCh(70, 58.718, 309.300)

Conversions

Conversions Part 1

Format	Color
Hex	C496FE
RGB	196, 150, 254
RGB Percent	77%, 59%, 100%
CMY	0.2312, 0.4113, 0.0038
CMYK	0.23, 0.41, 0.00, 0.00
HSL	267°, 98%, 79%
HSV	267°, 41%, 100%
XYZ	51.5973, 40.7494, 98.9360
YIQ	175.6100, -5.9680, 42.0960

Conversions

Conversions Part 2

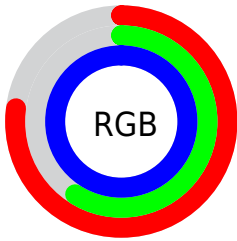
Format	Color
R _Y B	196, 150, 254
Decimal	12883710
CIE _{Lab}	70.00, 37.19, -45.44
CIE _{LCh}	70, 58.718, 309.300
Y _{xy}	40.7494, 0.2697, 0.2130
Android (android.graphics.Color)	4291073790 (0xFFC496FE)
Y _{UV}	175.6100, 38.6463, 17.8820
Hunter-Lab	63.8353, 32.5678, -47.2068

Details

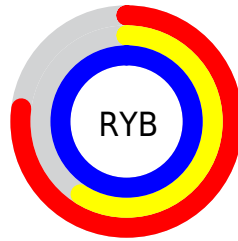
The CIELCh color `70, 58.718, 309.300` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `95, 54.836, 125.016`, and the grayscale version is `72, 0.009, 296.813`.

A 20% lighter version of the original color is `88, 31.171, 324.957`, and `50, 59.024, 309.297` is the 20% darker color. If you saturate the color by 10%, you get `63, 73.633, 309.925`, and if you desaturate by 10%, it is `77, 43.848, 308.678`.

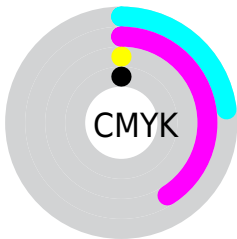
Distribution



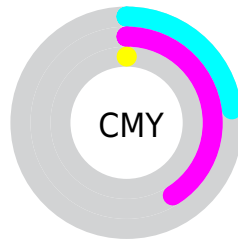
- Red (77%)
- Green (59%)
- Blue (100%)



- Red (77%)
- Yellow (59%)
- Blue (100%)



- Cyan (23%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (23%)
- Magenta (41%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 58.718, 309.300 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, 58.718, 309.300 by changing the saturation by 10% instead.


 70, 58.718,
309.300

 70, 58.718,
309.300


 100, 58.718,
309.300


 60, 58.718,
309.300


 90, 58.718,
309.300

 50, 58.718,
309.300

 40, 58.718,
309.300

 30, 58.718,
309.300

 20, 58.718,
309.300

 10, 58.718,
309.300

 0, 58.718, 309.300

70, 58.718,
309.300

70, 58.718,
309.300

63, 73.633,
309.925

77, 43.848,
308.678

57, 88.196,
310.501

84, 29.248,
308.088

51, 101.738,
310.948

92, 15.029,
307.543

45, 113.280,
311.150

99, 1.239, 306.967

41, 121.675,
310.969

100, 0.481,
109.981

39, 126.259,
310.446

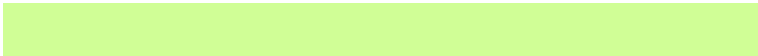
Harmonies

Complementary

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



70, 58.718, 309.300



95, 54.836, 125.016

Rectangle

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



70, 58.718, 309.300



70, 58.718, 359.300



70, 58.718, 129.300



70, 58.718, 179.300

Sweetspot

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



70, 58.716, 309.300



91, 16.616, 307.601



81, 29.006, 254.691



48, 11.043, 307.670



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, 58.716, 309.300



65, 71.022, 309.808



75, 63.508, 324.665



49, 7.843, 307.470



29, 101.784, 310.635



6, 44.920, 311.304

Inverse Universe

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



74, 48.093, 344.493



70, 57.201, 345.511



92, 63.306, 139.797



50, 6.639, 341.375



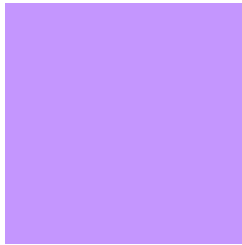
41, 69.221, 356.714



11, 32.532, 352.030

Previews

White Background



This preview shows how the CIELCh color 70, 58.718, 309.300 looks on a white background.

Color Contrast Check

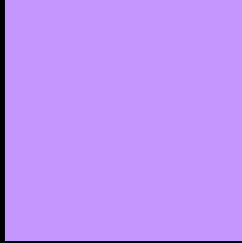
Large Text (above 18pt) WCAG AA × Fail

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, 58.718, 309.300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

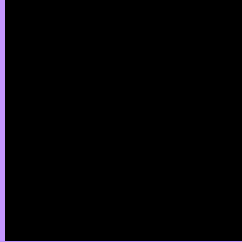
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 58.718, 309.300

Background



This preview shows how black text looks on a background with the CIELCh color 70, 58.718, 309.300.



This preview shows how white text looks on a background with the CIELCh color 70, 58.718, 309.300.

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, 9.591, 332.351

Trichromacy



Original Color
70, 58.770, 309.309

Protanomaly
70, 51.538, 295.065

Deuteranomaly
70, 48.206, 293.365

Tritanomaly
70, 27.218, 313.733

Monochromacy



Original Color
70, 58.770, 309.309

Achromatopsia
72, 0.009, 296.813

Achromatomaly
71, 21.108, 307.586

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 58.718, 309.300 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(196, 150, 254)` looks like.

```
.text, #text, p{  
    color:rgb(196, 150, 254)  
}
```

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(196, 150, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 150, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 58.718, 309.300 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(196, 150, 254) }
```

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

```
.border{ border-color:rgb(196, 150, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 150, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 150, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 150, 254);  
box-shadow:4px 4px 4px 4px rgb(196, 150,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 58.718, 309.300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 150, 254) }
```

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

```
.background{ background-color: rgb(196,  
150, 254) }
```

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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