

Converting Colors

CIELCh(59, 70.802, 297.229)

Have a look what the booklet for
CIELCh(59, 70.802, 297.229)
contains.

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Color

CIELCh(59, 70.509, 297.265)

Conversions

Conversions Part 1

Format	Color
Hex	7F80FD
RGB	127, 128, 253
RGB Percent	50%, 50%, 99%
CMY	0.5021, 0.4982, 0.0080
CMYK	0.50, 0.49, 0.00, 0.01
HSL	240°, 97%, 74%
HSV	240°, 50%, 99%
XYZ	34.1844, 27.0277, 96.3110
YIQ	141.9510, -40.7210, 38.6630

Conversions

Conversions Part 2

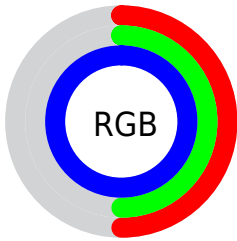
Format	Color
RYB	127, 128, 253
Decimal	8356093
CIELab	59.00, 32.30, -62.68
CIELCh	59, 70.509, 297.265
Yxy	27.0277, 0.2170, 0.1716
Android (android.graphics.Color)	4286546173 (0xFF7F80FD)
YUV	141.9510, 54.7472, -13.1120
Hunter-Lab	51.9882, 26.3916, -73.4462

Details

The CIELCh color **59, 70.509, 297.265** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **97, 61.401, 105.055**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 39.931, 295.991**, and **39, 70.753, 297.305** is the 20% darker color. If you saturate the color by 10%, you get **51, 86.272, 299.447**, and if you desaturate by 10%, it is **67, 55.169, 295.300**.

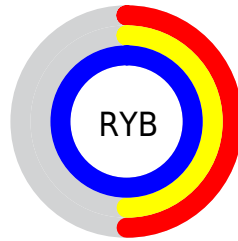
Distribution



Red (50%)

Green (50%)

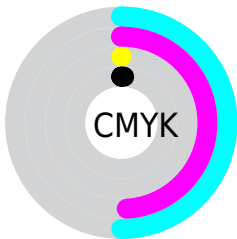
Blue (99%)



Red (50%)

Yellow (50%)

Blue (99%)

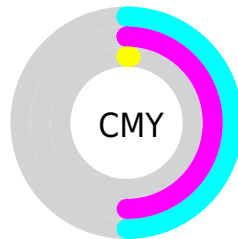


Cyan (50%)

Magenta (49%)

Yellow (0%)

Black (1%)



Cyan (50%)


Magenta (50%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 70.509, 297.265 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 59, 70.509, 297.265 by changing the saturation by 10% instead.


 59, 70.509,
297.265


 59, 70.509,
297.265


 100, 70.509,
297.265

 49, 70.509,
297.265


 79, 70.509,
297.265

 39, 70.509,
297.265

 89, 70.509,
297.265

 29, 70.509,
297.265

 99, 70.509,
297.265

 19, 70.509,
297.265

 9, 70.509, 297.265

 0, 70.509, 297.265

■ 59, 70.509,
297.265

■ 59, 70.509,
297.265

■ 51, 86.272,
299.447

■ 67, 55.169,
295.300

■ 44, 101.915,
301.715

■ 75, 40.428,
293.591

■ 38, 116.175,
303.815

■ 83, 26.303,
292.131

■ 34, 126.956,
305.394

■ 91, 12.764,
290.897

■ 32, 132.606,
306.211

■ 99, 0.232, 109.497

■ 32, 132.689,
306.222

100, 1.022,
110.026

Harmonies

Complementary

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



59, 70.509, 297.265



97, 61.401, 105.055

Rectangle

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



59, 70.509, 297.265



59, 70.509, 347.265



59, 70.509, 117.265



59, 70.509, 167.265

Sweetspot

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



59, 70.508, 297.266



88, 19.851, 291.512



92, 36.858, 195.430



45, 13.602, 291.778



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



59, 70.508, 297.266



52, 87.143, 299.496



64, 71.957, 311.113



49, 7.442, 290.863



23, 107.419, 306.195



3, 43.875, 301.630

Inverse Universe

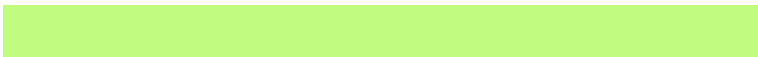
The Inverse Universe completely reimagines the original color for something new.



68, 52.782, 24.637



63, 65.536, 27.131



93, 66.567, 126.150



49, 5.253, 19.299



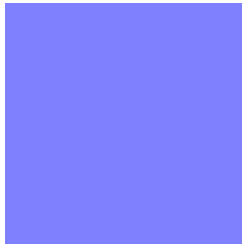
40, 83.862, 39.684



10, 33.301, 26.860

Previews

White Background



This preview shows how the CIELCh color 59, 70.509, 297.265 looks on a white background.

Color Contrast Check

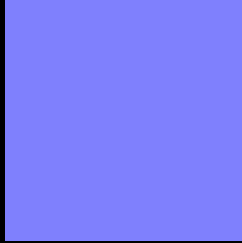
Large Text (above 18pt) WCAG AA ✓ Pass

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 59, 70.509, 297.265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

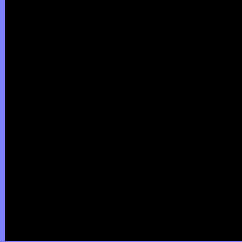
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 70.509, 297.265

Background



This preview shows how black text looks on a background with the CIELCh color 59, 70.509, 297.265.

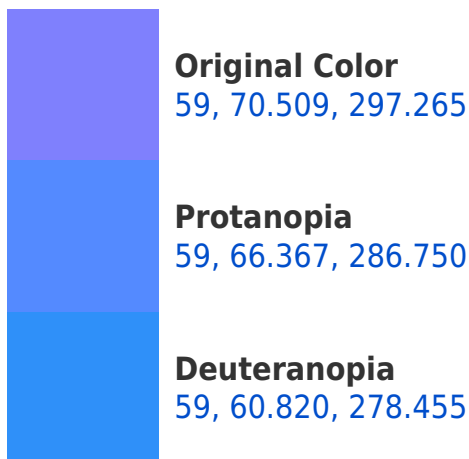


This preview shows how white text looks on a background with the CIELCh color 59, 70.509, 297.265.

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
59, 18.105, 220.243

Trichromacy



Original Color
59, 70.509, 297.265

Protanomaly
59, 67.821, 290.552

Deuteranomaly
59, 63.907, 284.715

Tritanomaly
59, 31.239, 274.696

Monochromacy



Original Color
59, 70.509, 297.265

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 25.576, 293.049

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 70.509, 297.265 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(127, 128, 253)` looks like.

```
.text, #text, p{  
    color:rgb(127, 128, 253)  
}
```

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(127, 128, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 128, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 70.509, 297.265 is called "border". The border property can be set on classes, ids or directly on the HTML element.

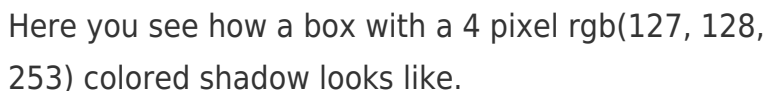
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 128, 253) }
```

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

```
.border{ border-color:rgb(127, 128, 253) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 128, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 128, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 128, 253);  
box-shadow:4px 4px 4px 4px rgb(127, 128,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 70.509, 297.265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 128, 253) }
```

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

```
.background{ background-color: rgb(127,  
128, 253) }
```

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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