

Converting Colors

CIELCh(61, 100.898, 305.884)

Have a look what the booklet for
CIELCh(61, 100.898, 305.884)
contains.

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Color

CIELCh(59, 80.721, 307.040)

Conversions

Conversions Part 1

Format	Color
Hex	A172FF
RGB	161, 114, 255
RGB Percent	63%, 45%, 100%
CMY	0.3670, 0.5519, 0.0000
CMYK	0.37, 0.55, 0.00, 0.00
HSL	260°, 100%, 72%
HSV	260°, 55%, 100%
XYZ	39.1117, 27.0277, 98.9803
YIQ	144.1270, -17.2490, 53.8150

Conversions

Conversions Part 2

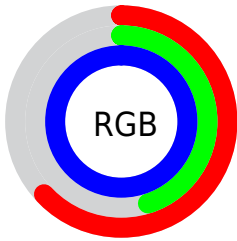
Format	Color
RYB	161, 114, 255
Decimal	10580735
CIELab	59.00, 48.62, -64.43
CIELCh	59, 80.721, 307.040
Yxy	27.0277, 0.2369, 0.1637
Android (android.graphics.Color)	4288770815 (0xFFA172FF)
YUV	144.1270, 54.6604, 14.7976
Hunter-Lab	51.9882, 43.3095, -76.4904

Details

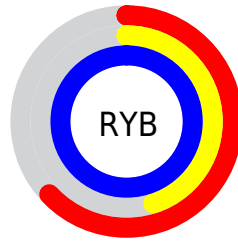
The CIELCh color **59, 80.721, 307.040** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **94, 70.938, 120.216**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 50.498, 314.108**, and **39, 79.714, 307.007** is the 20% darker color. If you saturate the color by 10%, you get **52, 94.764, 307.920**, and if you desaturate by 10%, it is **66, 64.829, 306.267**.

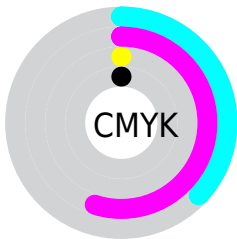
Distribution



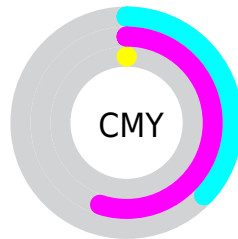
- Red (63%)
- Green (45%)
- Blue (100%)



- Red (63%)
- Yellow (45%)
- Blue (100%)



- Cyan (37%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (37%)
- Magenta (55%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 80.721, 307.040 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, 80.721, 307.040 by changing the saturation by 10% instead.


 59, 80.721,
307.040


 59, 80.721,
307.040


 100, 80.721,
307.040


 49, 80.721,
307.040


 79, 80.721,
307.040

 39, 80.721,
307.040

 89, 80.721,
307.040

 29, 80.721,
307.040

 99, 80.721,
307.040

 19, 80.721,
307.040

 9, 80.721, 307.040

 0, 80.721, 307.040

59, 80.721,
307.040

59, 80.721,
307.040

52, 94.764,
307.920

66, 64.829,
306.267

46, 108.371,
308.579

73, 49.780,
305.447

41, 119.569,
308.933

81, 35.064,
304.688

38, 126.995,
308.810

89, 20.787,
304.002

36, 129.360,
308.622

96, 6.985, 303.388

100, 0.012,
296.813

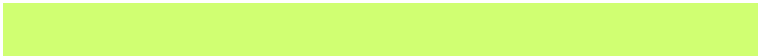
Harmonies

Complementary

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



59, 80.721, 307.040



94, 70.938, 120.216

Rectangle

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



59, 80.721, 307.040



59, 80.721, 357.040



59, 80.721, 127.040



59, 80.721, 177.040

Sweetspot

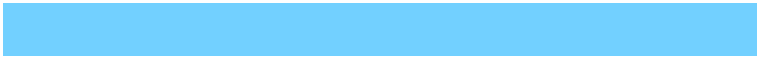
The Sweet Spot groups the original color and five complimentary colors.



59, 79.978, 307.113



87, 23.337, 304.120



80, 34.836, 244.517



45, 15.663, 304.255



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, 79.978, 307.113



52, 95.925, 307.980



67, 82.620, 322.135



49, 7.705, 303.645



26, 103.974, 308.788



5, 44.813, 308.549

Inverse Universe

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



68, 67.730, 340.490



63, 77.794, 341.799



91, 81.474, 136.300



50, 7.159, 336.383



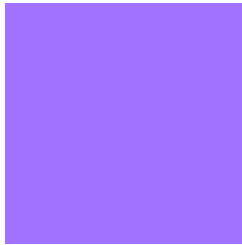
42, 72.745, 347.615



11, 34.303, 344.554

Previews

White Background



This preview shows how the CIELCh color 59, 80.721, 307.040 looks on a white background.

Color Contrast Check

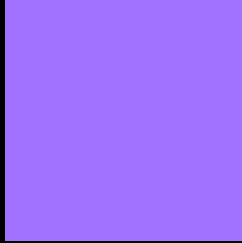
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.721, 307.040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

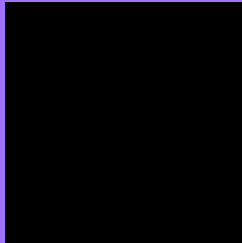
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 80.721, 307.040

Background



This preview shows how black text looks on a background with the CIELCh color 59, 80.721, 307.040.



This preview shows how white text looks on a background with the CIELCh color 59, 80.721, 307.040.

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



Original Color
59, 80.133, 307.073

Protanopia
59, 66.367, 286.750

Deuteranopia
59, 60.750, 278.724



Tritanopia
59, 6.273, 284.011

Trichromacy



Original Color
59, 80.133, 307.073



Protanomaly
58, 71.164, 294.331



Deuteranomaly
58, 66.988, 289.070



Tritanomaly
58, 33.577, 303.070

Monochromacy



Original Color
59, 80.133, 307.073



Achromatopsia
60, 0.008, 296.813



Achromatomaly
59, 29.691, 304.774

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 80.721, 307.040 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(161, 114, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 114, 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(161, 114, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 114, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 80.721, 307.040 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(161, 114, 255) }
```

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

```
.border{ border-color:rgb(161, 114, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 114, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 114, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 114, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 114,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 80.721, 307.040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 114, 255) }
```

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

```
.background{ background-color: rgb(161,  
114, 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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