

Converting Colors

CIELCh(59, 79.225, 306.346)

Have a look what the booklet for
CIELCh(59, 79.225, 306.346)
contains.

CIELCh(59, 78.918, 306.335)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(59, 78.918, 306.335)

Conversions

Conversions Part 1

Format	Color
Hex	9F74FF
RGB	159, 116, 255
RGB Percent	62%, 45%, 100%
CMY	0.3770, 0.5456, 0.0006
CMYK	0.38, 0.55, 0.00, 0.00
HSL	259°, 100%, 73%
HSV	259°, 55%, 100%
XYZ	38.5263, 27.0277, 97.6695
YIQ	144.7030, -18.9910, 52.3450

Conversions

Conversions Part 2

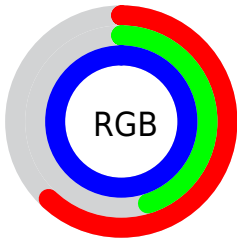
Format	Color
R _Y B	159, 116, 255
Decimal	10450175
CIE Lab	59.00, 46.76, -63.57
CIE LCh	59, 78.918, 306.335
Yxy	27.0277, 0.2360, 0.1656
Android (android.graphics.Color)	4288640255 (0xFF9F74FF)
YUV	144.7030, 54.3764, 12.5385
Hunter-Lab	51.9882, 41.2996, -74.9955

Details

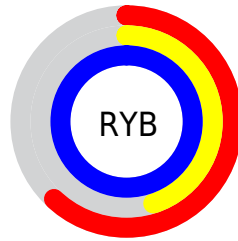
The CIELCh color **59, 78.918, 306.335** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **95, 69.769, 119.166**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 49.060, 313.021**, and **39, 78.605, 306.301** is the 20% darker color. If you saturate the color by 10%, you get **52, 93.856, 307.226**, and if you desaturate by 10%, it is **66, 63.710, 305.423**.

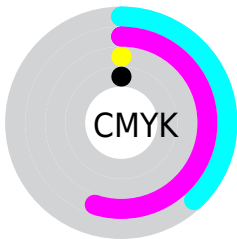
Distribution



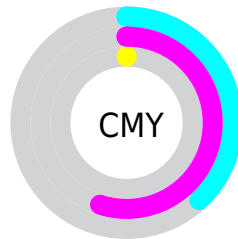
- Red (62%)
- Green (45%)
- Blue (100%)



- Red (62%)
- Yellow (45%)
- Blue (100%)



- Cyan (38%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 78.918, 306.335 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, 78.918, 306.335 by changing the saturation by 10% instead.


 59, 78.918,
306.335


 59, 78.918,
306.335


 100, 78.918,
306.335


 49, 78.918,
306.335


 79, 78.918,
306.335

 39, 78.918,
306.335

 89, 78.918,
306.335

 29, 78.918,
306.335

 99, 78.918,
306.335

 19, 78.918,
306.335

 9, 78.918, 306.335

 0, 78.918, 306.335

59, 78.918,
306.335

59, 78.918,
306.335

52, 93.856,
307.226

66, 63.710,
305.423

46, 107.734,
307.987

74, 48.666,
304.552

41, 119.313,
308.454

81, 33.997,
303.753

37, 127.148,
308.444

89, 19.789,
303.037

36, 129.897,
308.270

97, 6.070, 302.400

100, 0.063,
108.947

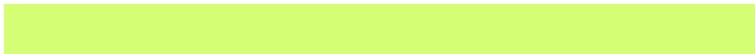
Harmonies

Complementary

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



59, 78.918, 306.335



95, 69.769, 119.166

Rectangle

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



59, 78.918, 306.335



59, 78.918, 356.335



59, 78.918, 126.335



59, 78.918, 176.335

Sweetspot

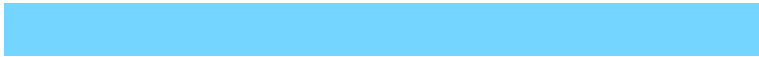
The Sweet Spot groups the original color and five complimentary colors.



59, 78.917, 306.335



88, 21.852, 303.137



81, 33.880, 239.242



45, 14.807, 303.280



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, 78.917, 306.335



52, 94.579, 307.266



67, 81.386, 321.081



49, 7.677, 302.708



26, 104.455, 308.427



5, 44.770, 307.928

Inverse Universe

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



68, 68.119, 339.135



64, 78.199, 340.293



91, 79.797, 135.551



50, 7.292, 335.293



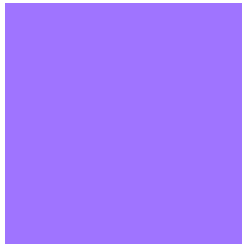
42, 73.881, 345.632



11, 34.820, 342.924

Previews

White Background



This preview shows how the CIELCh color 59, 78.918, 306.335 looks on a white background.

Color Contrast Check

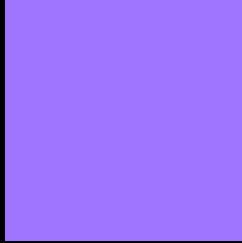
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 59, 78.918, 306.335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

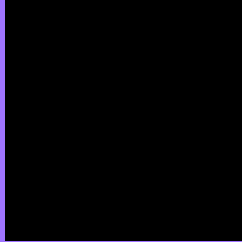
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 78.918, 306.335

Background



This preview shows how black text looks on a background with the CIELCh color 59, 78.918, 306.335.

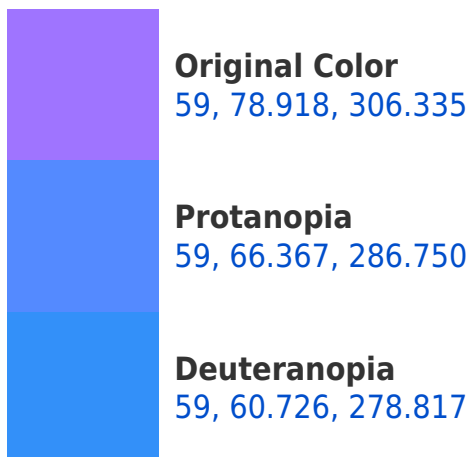


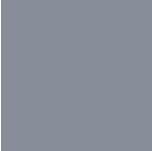
This preview shows how white text looks on a background with the CIELCh color 59, 78.918, 306.335.

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, 6.583, 271.001

Trichromacy



Original Color
59, 78.918, 306.335



Protanomaly
59, 70.571, 293.849



Deuteranomaly
58, 66.419, 288.539



Tritanomaly
58, 33.357, 300.747

Monochromacy



Original Color
59, 78.918, 306.335



Achromatopsia
60, 0.008, 296.813



Achromatomaly
59, 29.591, 304.096

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 78.918, 306.335 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(159, 116, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 116, 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(159, 116, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 116, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 78.918, 306.335 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(159, 116, 255) }
```

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

```
.border{ border-color:rgb(159, 116, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 116, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 116, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 116, 255); box-shadow:4px 4px 4px 4px rgb(159, 116, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 78.918, 306.335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 116, 255) }
```

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

```
.background{ background-color: rgb(159,  
116, 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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