

Converting Colors

CIELCh(61, 72.238, 304.236)

Have a look what the booklet for
CIELCh(61, 72.238, 304.236)
contains.

CIELCh(61, 72.311, 304.256)	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(61, 72.311, 304.256)

Conversions

Conversions Part 1

Format	Color
Hex	9E7EFE
RGB	158, 126, 254
RGB Percent	62%, 49%, 100%
CMY	0.3814, 0.5067, 0.0049
CMYK	0.38, 0.50, 0.00, 0.00
HSL	255°, 98%, 74%
HSV	255°, 50%, 100%
XYZ	39.3329, 29.2481, 97.1264
YIQ	150.1600, -22.0160, 46.5920

Conversions

Conversions Part 2

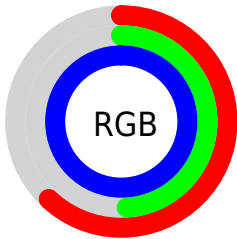
Format	Color
R _Y B	158, 126, 254
Decimal	10387198
CIE _{Lab}	61.00, 40.70, -59.77
CIE _{LCh}	61, 72.311, 304.256
Y _{xy}	29.2481, 0.2374, 0.1765
Android (android.graphics.Color)	4288577278 (0xFF9E7EFE)
YUV	150.1600, 51.1931, 6.8757
Hunter-Lab	54.0815, 35.1784, -68.6234

Details

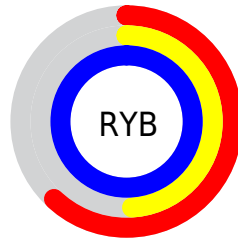
The CIELCh color **61, 72.311, 304.256** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **95, 64.063, 116.808**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 42.629, 310.099**, and **41, 72.554, 304.308** is the 20% darker color. If you saturate the color by 10%, you get **54, 87.580, 305.355**, and if you desaturate by 10%, it is **68, 57.093, 303.198**.

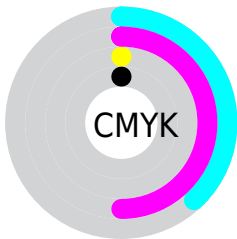
Distribution



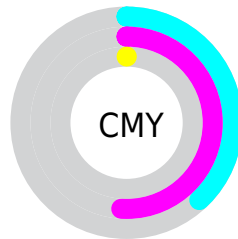
- Red (62%)
- Green (49%)
- Blue (100%)



- Red (62%)
- Yellow (49%)
- Blue (100%)



- Cyan (38%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (51%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 72.311, 304.256 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 61, 72.311, 304.256 by changing the saturation by 10% instead.


 61, 72.311,
304.256


 61, 72.311,
304.256


 100, 72.311,
304.256


 51, 72.311,
304.256


 81, 72.311,
304.256

 41, 72.311,
304.256


 91, 72.311,
304.256

 31, 72.311,
304.256

 21, 72.311,
304.256

 11, 72.311,
304.256

 1, 72.311, 304.256

 0, 72.311, 304.256

61, 72.311,
304.256

61, 72.311,
304.256

54, 87.580,
305.355

68, 57.093,
303.198

47, 102.289,
306.400

76, 42.226,
302.225

41, 115.339,
307.235

84, 27.832,
301.357

37, 125.167,
307.653

92, 13.950,
300.592

34, 130.696,
307.583

99, 0.578, 299.869

100, 0.623,
110.007

Harmonies

Complementary

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



61, 72.311, 304.256



95, 64.063, 116.808

Rectangle

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



61, 72.311, 304.256



61, 72.311, 354.256



61, 72.311, 124.256



61, 72.311, 174.256

Sweetspot

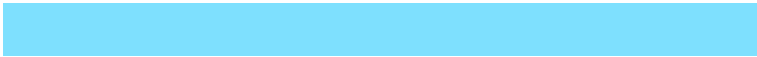
The Sweet Spot groups the original color and five complimentary colors.



61, 72.310, 304.256



88, 20.309, 300.929



84, 31.480, 228.076



45, 13.910, 301.092



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



61, 72.310, 304.256



54, 88.794, 305.419



67, 74.835, 318.884



49, 7.621, 300.527



25, 105.465, 307.715



4, 44.658, 306.577

Inverse Universe

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



70, 65.946, 336.015



66, 77.521, 336.948



92, 72.581, 134.074



50, 7.608, 332.928



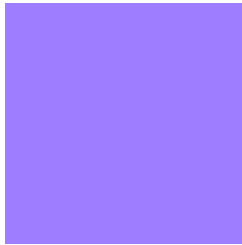
43, 76.856, 341.391



11, 36.125, 339.422

Previews

White Background



This preview shows how the CIELCh color 61, 72.311, 304.256 looks on a white background.

Color Contrast Check

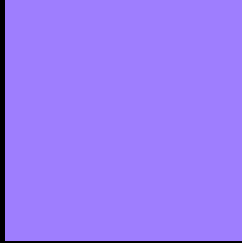
Large Text (above 18pt) WCAG AA ✓ Pass

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 61, 72.311, 304.256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

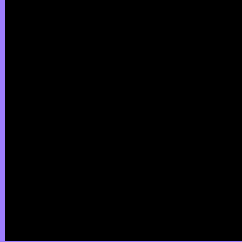
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 72.311, 304.256

Background



This preview shows how black text looks on a background with the CIELCh color 61, 72.311, 304.256.

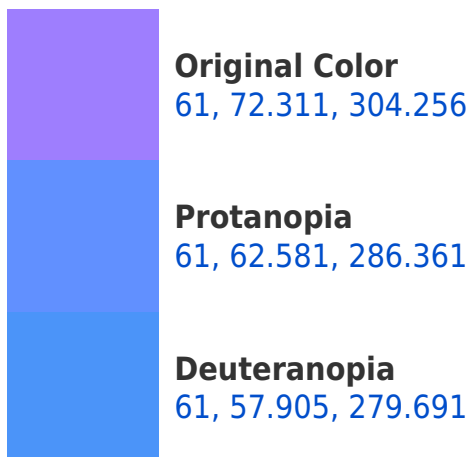


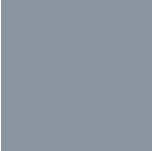
This preview shows how white text looks on a background with the CIELCh color 61, 72.311, 304.256.

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
61, 7.787, 259.707

Trichromacy



Original Color
61, 72.311, 304.256



Protanomaly
61, 66.216, 293.065



Deuteranomaly
61, 62.546, 288.795



Tritanomaly
60, 30.595, 296.615

Monochromacy



Original Color
61, 72.311, 304.256



Achromatopsia
62, 0.008, 296.813



Achromatomaly
61, 26.912, 301.890

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 72.311, 304.256 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(158, 126, 254)` looks like.

```
.text, #text, p{  
    color:rgb(158, 126, 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(158, 126, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 126, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 72.311, 304.256 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(158, 126, 254) }
```

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

```
.border{ border-color:rgb(158, 126, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 126, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 126, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 126, 254);  
box-shadow:4px 4px 4px 4px rgb(158, 126,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 72.311, 304.256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 126, 254) }
```

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

```
.background{ background-color: rgb(158,  
126, 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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