

Converting Colors

CIELCh(63, 58.378, 271.708)

Have a look what the booklet for
CIELCh(63, 58.378, 271.708)
contains.

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Color

CIELCh(63, 57.905, 271.407)

Conversions

Conversions Part 1

Format	Color
Hex	0B9DFF
RGB	11, 157, 255
RGB Percent	4%, 62%, 100%
CMY	0.9564, 0.3826, 0.0000
CMYK	0.96, 0.38, 0.00, 0.00
HSL	204°, 100%, 52%
HSV	204°, 96%, 100%
XYZ	30.4001, 31.5869, 99.5198
YIQ	124.5180, -118.4740, -0.4740

Conversions

Conversions Part 2

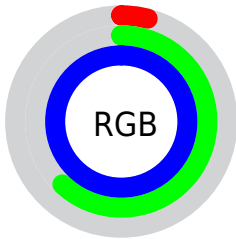
Format	Color
R_{YB}	11, 102, 255
Decimal	761343
CIE Lab	63.00, 1.42, -57.89
CIE LCh	63, 57.905, 271.407
Yxy	31.5869, 0.1882, 0.1956
Android (android.graphics.Color)	4278951423 (0xFF0B9DFF)
YUV	124.5180, 64.3276, -99.5553
Hunter-Lab	56.2022, -1.8024, -65.6458

Details

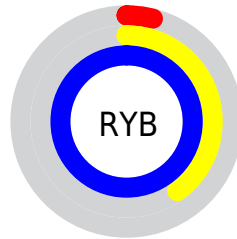
The CIELCh color **63, 57.905, 271.407** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **63, 87.410, 53.408**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 34.452, 241.298**, and **45, 55.822, 280.617** is the 20% darker color. If you saturate the color by 10%, you get **62, 59.875, 273.431**, and if you desaturate by 10%, it is **66, 52.759, 266.212**.

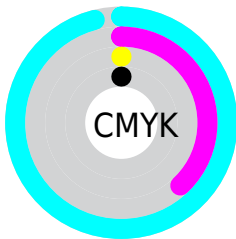
Distribution



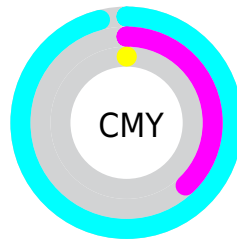
- Red (4%)
- Green (62%)
- Blue (100%)



- Red (4%)
- Yellow (40%)
- Blue (100%)



- Cyan (96%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (96%)
- Magenta (38%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 57.905, 271.407 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 63, 57.905, 271.407 by changing the saturation by 10% instead.


 63, 57.905,
271.407


 63, 57.905,
271.407


 100, 57.905,
271.407


 53, 57.905,
271.407


 83, 57.905,
271.407

 43, 57.905,
271.407

 93, 57.905,
271.407

 33, 57.905,
271.407

 23, 57.905,
271.407

 13, 57.905,
271.407

 3, 57.905, 271.407

 0, 57.905, 271.407

■ 63, 57.905,
271.407

■ 63, 57.905,
271.407

■ 62, 59.875,
273.431

■ 66, 52.759,
266.212

■ 69, 47.804,
261.647

■ 73, 42.628,
257.669

■ 77, 37.114,
254.303

■ 81, 31.210,
251.508

■ 85, 24.918,
249.213

■ 89, 18.274,
247.339

■ 93, 11.330,

245.818

■ 98, 4.145, 244.635

Harmonies

Complementary

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



63, 57.905, 271.407



63, 87.410, 53.408

Rectangle

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



63, 57.905, 271.407



63, 57.905, 321.407



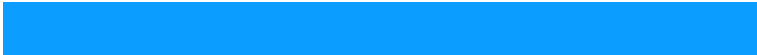
63, 57.905, 91.407



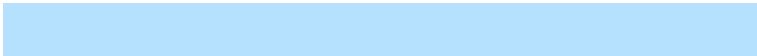
63, 57.905, 141.407

Sweetspot

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



63, 57.672, 271.231



88, 20.543, 247.927



88, 96.483, 145.129



45, 13.980, 248.733



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 57.672, 271.231



62, 59.875, 273.431



35, 125.492, 304.625



51, 4.155, 245.043



47, 47.551, 272.482



14, 19.900, 265.292

Inverse Universe

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



56, 87.028, 352.228



56, 87.092, 353.584



91, 89.603, 96.185



50, 6.837, 339.320



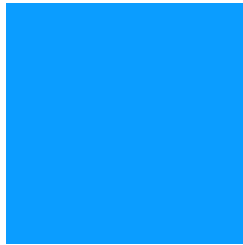
42, 70.359, 352.981



11, 33.150, 348.958

Previews

White Background



This preview shows how the CIE LCh color 63, 57.905, 271.407 looks on a white background.

Color Contrast Check

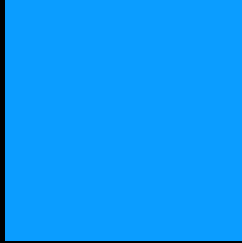
Large Text (above 18pt) WCAG AA × Fail

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 63, 57.905, 271.407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

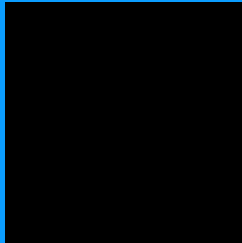
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

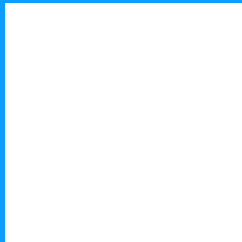
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 57.905, 271.407

Background



This preview shows how black text looks on a background with the CIELCh color 63, 57.905, 271.407.

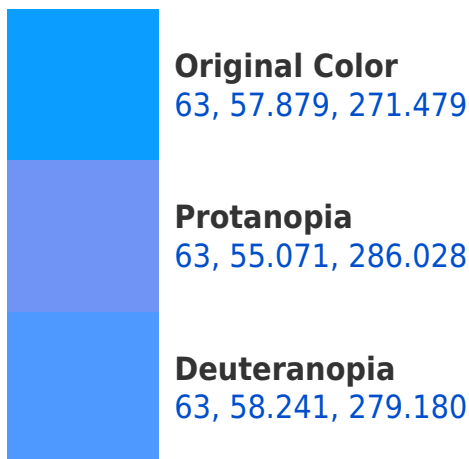


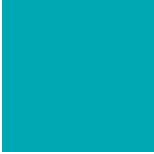
This preview shows how white text looks on a background with the CIELCh color 63, 57.905, 271.407.

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
63, 35.435, 207.702

Trichromacy



Original Color
63, 57.879, 271.479

Protanomaly
62, 56.334, 278.135

Deuteranomaly
63, 58.006, 275.183

Tritanomaly
63, 37.643, 237.722

Monochromacy



Original Color
63, 57.879, 271.479

Achromatopsia
52, 0.007, 296.813

Achromatomaly
55, 25.092, 252.323

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 57.905, 271.407 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(11, 157, 255)` looks like.

```
.text, #text, p{  
    color:rgb(11, 157, 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(11, 157, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 157, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 57.905, 271.407 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(11, 157, 255) }
```

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

```
.border{ border-color:rgb(11, 157, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 157, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 157, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 157, 255);  
box-shadow:4px 4px 4px 4px rgb(11, 157,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 57.905, 271.407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 157, 255) }
```

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

```
.background{ background-color: rgb(11, 157,  
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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