

Converting Colors

CIELCh(63, 57.970, 271.214)

Have a look what the booklet for
CIELCh(63, 57.970, 271.214)
contains.

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Color

CIELCh(63, 57.476, 270.741)

Conversions

Conversions Part 1

Format	Color
Hex	029EFF
RGB	2, 158, 255
RGB Percent	1%, 62%, 100%
CMY	0.9907, 0.3814, 0.0011
CMYK	0.99, 0.38, 0.00, 0.00
HSL	203°, 100%, 50%
HSV	203°, 99%, 100%
XYZ	30.2195, 31.5869, 98.8807
YIQ	122.4140, -124.1130, -2.9050

Conversions

Conversions Part 2

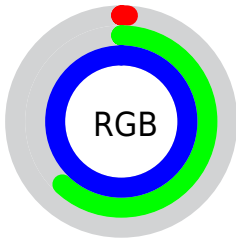
Format	Color
R _Y B	2, 98, 255
Decimal	171775
CIE Lab	63.00, 0.74, -57.47
CIE LCh	63, 57.476, 270.741
Yxy	31.5869, 0.1881, 0.1966
Android (android.graphics.Color)	4278361855 (0xFF029EFF)
YUV	122.4140, 65.3649, -105.6031
Hunter-Lab	56.2022, -2.3760, -64.9717

Details

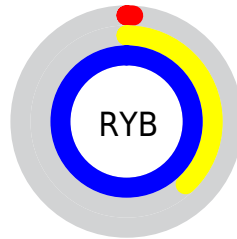
The CIELCh color **63, 57.476, 270.741** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **62, 90.205, 51.551**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 34.629, 239.743**, and **45, 55.247, 280.053** is the 20% darker color. If you saturate the color by 10%, you get **63, 57.916, 271.206**, and if you desaturate by 10%, it is **66, 52.897, 265.620**.

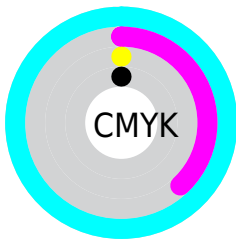
Distribution



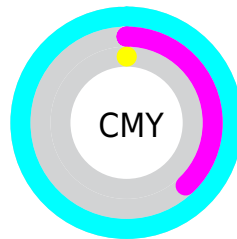
- Red (1%)
- Green (62%)
- Blue (100%)



- Red (1%)
- Yellow (38%)
- Blue (100%)



- Cyan (99%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (99%)
- Magenta (38%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 57.476, 270.741 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, 57.476, 270.741 by changing the saturation by 10% instead.


 63, 57.476,
270.741


 63, 57.476,
270.741


 100, 57.476,
270.741


 53, 57.476,
270.741


 83, 57.476,
270.741

 43, 57.476,
270.741

 93, 57.476,
270.741

 33, 57.476,
270.741

 23, 57.476,
270.741

 13, 57.476,
270.741

 3, 57.476, 270.741

 0, 57.476, 270.741

■ 63, 57.476,
270.741

■ 63, 57.476,
270.741

■ 63, 57.916,
271.206

■ 66, 52.897,
265.620

■ 69, 48.318,
260.872

■ 73, 43.523,
256.708

■ 76, 38.372,
253.175

■ 80, 32.798,
250.242

■ 84, 26.790,
247.838

■ 88, 20.382,
245.882

■ 92, 13.627,

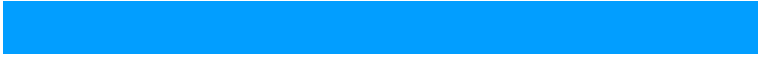
244.298

 96, 6.587, 243.038

Harmonies

Complementary

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



63, 57.476, 270.741



62, 90.205, 51.551

Rectangle

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



63, 57.476, 270.741



63, 57.476, 320.741



63, 57.476, 90.741



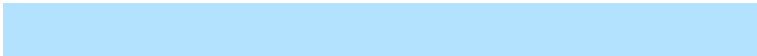
63, 57.476, 140.741

Sweetspot

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



63, 57.475, 270.742



87, 21.011, 246.047



88, 99.807, 143.737



45, 14.205, 246.837



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, 57.475, 270.742



63, 57.965, 271.209



34, 126.796, 304.837



51, 4.130, 243.085



48, 46.068, 270.248



15, 19.393, 263.008

Inverse Universe

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



56, 87.631, 351.925



56, 87.714, 352.200



89, 89.046, 94.631



50, 6.913, 338.582



42, 70.871, 351.632



11, 33.409, 347.850

Previews

White Background



This preview shows how the CIE LCh color 63, 57.476, 270.741 looks on a white background.

Color Contrast Check

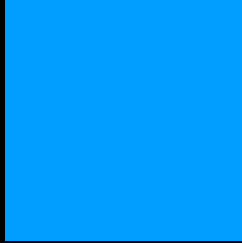
Large Text (above 18pt) WCAG AA × Fail

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, 57.476, 270.741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

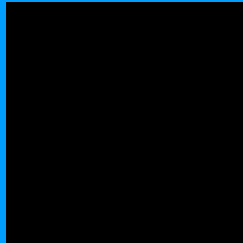
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

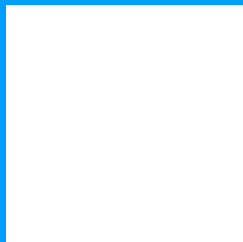
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 57.476, 270.741

Background



This preview shows how black text looks on a background with the CIELCh color 63, 57.476, 270.741.

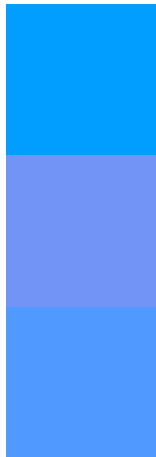


This preview shows how white text looks on a background with the CIELCh color 63, 57.476, 270.741.

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

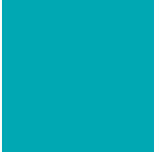
63, 57.493, 270.693

Protanopia

63, 55.041, 286.262

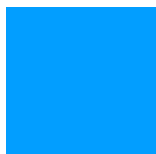
Deuteranopia

63, 58.206, 279.328

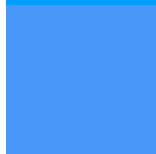


Tritanopia
63, 35.435, 207.702

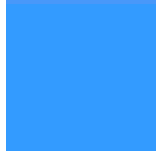
Trichromacy



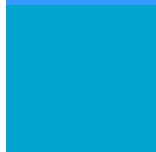
Original Color
63, 57.493, 270.693



Protanomaly
62, 55.894, 277.303



Deuteranomaly
63, 58.092, 274.893



Tritanomaly
63, 37.714, 237.625

Monochromacy



Original Color
63, 57.493, 270.693



Achromatopsia
51, 0.007, 296.813



Achromatomaly
54, 25.689, 250.716

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 57.476, 270.741 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(2, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(2, 158, 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(2, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 158, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 57.476, 270.741 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(2, 158, 255) }
```

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

```
.border{ border-color:rgb(2, 158, 255) }
```

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

Here you see how a box with a 4 pixel rgb(2, 158, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(2, 158,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 57.476, 270.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 158, 255) }
```

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

```
.background{ background-color: rgb(2, 158,  
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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