

Converting Colors

CIELCh(58, 80.162, 261.299)

Have a look what the booklet for
CIELCh(58, 80.162, 261.299)
contains.

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Color

CIELCh(62, 59.390, 272.886)

Conversions

Conversions Part 1

Format	Color
Hex	019AFF
RGB	1, 154, 255
RGB Percent	0%, 60%, 100%
CMY	0.9954, 0.3954, 0.0000
CMYK	1.00, 0.40, 0.00, 0.00
HSL	204°, 100%, 50%
HSV	204°, 100%, 100%
XYZ	29.6746, 30.4025, 99.0636
YIQ	119.7670, -123.6090, -1.0250

Conversions

Conversions Part 2

Format	Color
R _Y B	1, 96, 255
Decimal	105215
CIE Lab	62.00, 2.99, -59.31
CIE LCh	62, 59.390, 272.886
Yxy	30.4025, 0.1865, 0.1910
Android (android.graphics.Color)	4278295295 (0xFF019AFF)
YUV	119.7670, 66.6699, -104.1587
Hunter-Lab	55.1385, -0.4267, -67.9254

Details

The CIELCh color **62, 59.390, 272.886** 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, 89.928, 52.284**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **79, 35.168, 244.056**, and **44, 56.987, 281.716** is the 20% darker color. If you saturate the color by 10%, you get **62, 59.537, 273.052**, and if you desaturate by 10%, it is **65, 54.400, 267.739**.

Distribution



- Red (0%)
- Green (60%)
- Blue (100%)



- Red (0%)
- Yellow (38%)
- Blue (100%)



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 59.390, 272.886 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 62, 59.390, 272.886 by changing the saturation by 10% instead.

 62, 59.390,
272.886

 62, 59.390,
272.886

 100, 59.390,
272.886

 52, 59.390,
272.886


 82, 59.390,
272.886

 42, 59.390,
272.886

 92, 59.390,
272.886

 32, 59.390,
272.886

 22, 59.390,
272.886

 12, 59.390,
272.886

 2, 59.390, 272.886

 0, 59.390, 272.886

■ 62, 59.390,
272.886

■ 62, 59.390,
272.886

■ 62, 59.537,
273.052

■ 65, 54.400,
267.739

■ 68, 49.544,
262.972

■ 72, 44.522,
258.760

■ 75, 39.192,
255.163

■ 79, 33.476,
252.161

■ 83, 27.360,
249.689

■ 87, 20.868,
247.669

■ 92, 14.050,

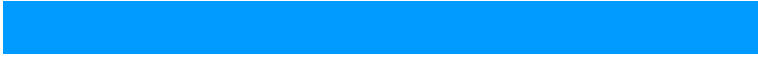
246.025

 96, 6.964, 244.708

Harmonies

Complementary

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



62, 59.390, 272.886



62, 89.928, 52.284

Rectangle

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



62, 59.390, 272.886



62, 59.390, 322.886



62, 59.390, 92.886



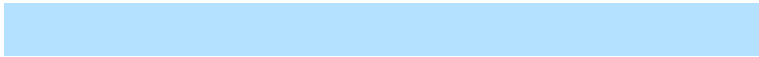
62, 59.390, 142.886

Sweetspot

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



62, 59.303, 272.826



87, 21.174, 247.753



88, 100.161, 143.639



45, 14.325, 248.562



0, 0.000, 0.000



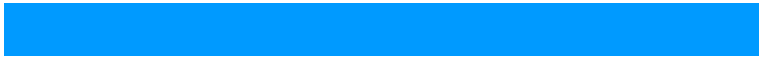
53, 0.007, 296.813

Same Dimension

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



62, 59.303, 272.826



62, 59.537, 273.052



34, 127.273, 304.906



51, 4.151, 244.704



47, 47.288, 272.101



14, 19.810, 264.901

Inverse Universe

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



56, 87.187, 353.199



56, 87.196, 353.341



90, 89.184, 94.588



50, 6.850, 339.191



42, 70.445, 352.744



11, 33.194, 348.763

Previews

White Background



This preview shows how the CIE LCh color 62, 59.390, 272.886 looks on a white background.

Color Contrast Check

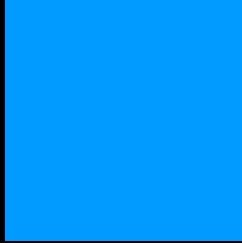
Large Text (above 18pt) WCAG AA × Fail

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 62, 59.390, 272.886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

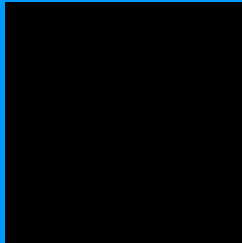
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

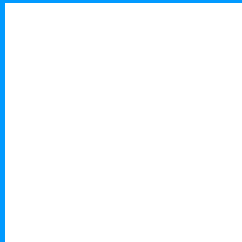
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 62, 59.390, 272.886

Background



This preview shows how black text looks on a background with the CIELCh color 62, 59.390, 272.886.



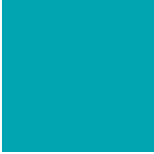
This preview shows how white text looks on a background with the CIELCh color 62, 59.390, 272.886.

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
62, 34.958, 207.897

Trichromacy



Original Color
62, 59.382, 272.910

Protanomaly
61, 58.614, 279.120

Deuteranomaly
62, 59.766, 275.881

Tritanomaly
62, 37.634, 239.070

Monochromacy



Original Color
62, 59.382, 272.910

Achromatopsia
50, 0.007, 296.813

Achromatomaly
53, 26.223, 253.816

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 59.390, 272.886 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(1, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(1, 154, 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(1, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 154, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 59.390, 272.886 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(1, 154, 255) }
```

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

```
.border{ border-color:rgb(1, 154, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 154, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(1, 154,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 59.390, 272.886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 154, 255) }
```

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

```
.background{ background-color: rgb(1, 154,  
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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