

Converting Colors

CIELCh(63, 57.188, 272.633)

Have a look what the booklet for
CIELCh(63, 57.188, 272.633)
contains.

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Color

CIELCh(63, 56.979, 272.386)

Conversions

Conversions Part 1

Format	Color
Hex	259DFE
RGB	37, 157, 254
RGB Percent	15%, 62%, 100%
CMY	0.8530, 0.3851, 0.0048
CMYK	0.85, 0.38, 0.00, 0.00
HSL	207°, 99%, 57%
HSV	207°, 85%, 100%
XYZ	30.6542, 31.5869, 98.0535
YIQ	132.1780, -102.6570, 4.7270

Conversions

Conversions Part 2

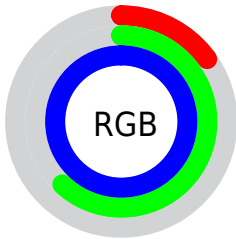
Format	Color
R _Y B	37, 114, 254
Decimal	2465278
CIE Lab	63.00, 2.37, -56.93
CIE LCh	63, 56.979, 272.386
Yxy	31.5869, 0.1912, 0.1971
Android (android.graphics.Color)	4280655358 (0xFF259DFE)
YUV	132.1780, 60.0582, -83.4711
Hunter-Lab	56.2022, -0.9952, -64.0990

Details

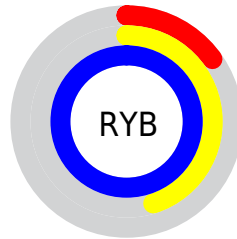
The CIELCh color **63, 56.979, 272.386** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **68, 77.710, 59.341**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 33.402, 243.064**, and **45, 55.285, 280.297** is the 20% darker color. If you saturate the color by 10%, you get **60, 63.003, 277.230**, and if you desaturate by 10%, it is **67, 51.028, 267.906**.

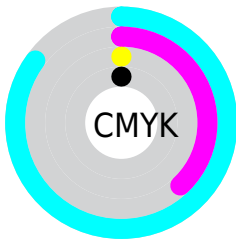
Distribution



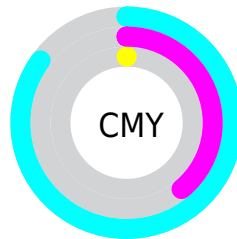
- Red (15%)
- Green (62%)
- Blue (100%)



- Red (15%)
- Yellow (45%)
- Blue (100%)



- Cyan (85%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (85%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 56.979, 272.386 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, 56.979, 272.386 by changing the saturation by 10% instead.


 63, 56.979,
272.386


 63, 56.979,
272.386


 100, 56.979,
272.386


 53, 56.979,
272.386


 83, 56.979,
272.386

 43, 56.979,
272.386

 93, 56.979,
272.386

 33, 56.979,
272.386

 23, 56.979,
272.386

 13, 56.979,
272.386

 3, 56.979, 272.386

 0, 56.979, 272.386

63, 56.979,
272.386

63, 56.979,
272.386

60, 63.003,
277.230

67, 51.028,
267.906

58, 65.969,
279.531

71, 44.997,
263.937

75, 38.770,
260.529

79, 32.286,
257.658

83, 25.531,
255.269

88, 18.527,
253.292

93, 11.308,
251.663

97, 3.921, 250.375

100, 0.612,
110.006

Harmonies

Complementary

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



63, 56.979, 272.386



68, 77.710, 59.341

Rectangle

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



63, 56.979, 272.386



63, 56.979, 322.386



63, 56.979, 92.386



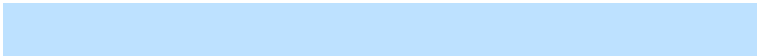
63, 56.979, 142.386

Sweetspot

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



63, 56.978, 272.387



88, 19.152, 253.433



88, 86.785, 148.829



45, 12.926, 254.086



0, 0.000, 0.000



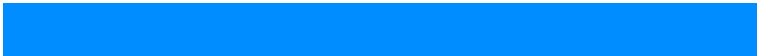
53, 0.007, 296.813

Same Dimension

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



63, 56.978, 272.387



58, 66.227, 279.544



38, 117.364, 303.438



51, 4.264, 250.875



44, 52.496, 278.643



13, 21.632, 271.710

Inverse Universe

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



57, 83.324, 353.013



55, 85.567, 358.002



93, 88.145, 99.192



50, 6.610, 341.693



41, 69.081, 357.287



11, 32.449, 352.503

Previews

White Background



This preview shows how the CIE LCh color 63, 56.979, 272.386 looks on a white background.

Color Contrast Check

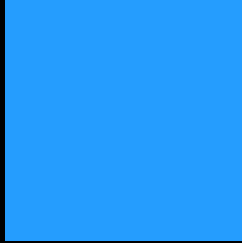
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 63, 56.979, 272.386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

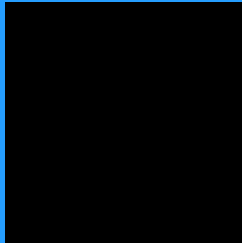
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

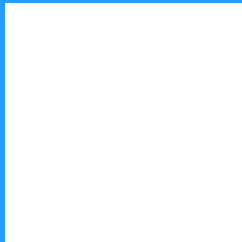
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 56.979, 272.386

Background



This preview shows how black text looks on a background with the CIELCh color 63, 56.979, 272.386.

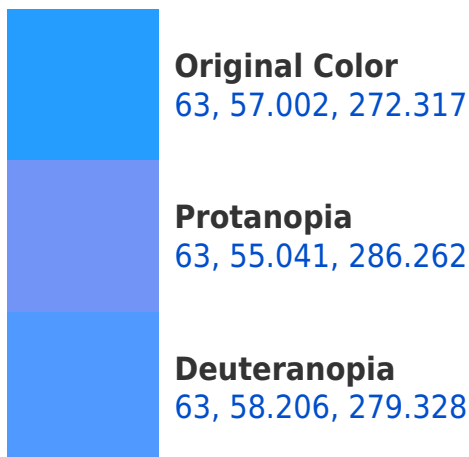


This preview shows how white text looks on a background with the CIELCh color 63, 56.979, 272.386.

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, 57.002, 272.317

Protanomaly
62, 55.925, 279.915

Deuteranomaly
63, 58.198, 276.806

Tritanomaly
63, 37.394, 238.060

Monochromacy



Original Color
63, 57.002, 272.317

Achromatopsia
55, 0.007, 296.813

Achromatomaly
57, 23.580, 257.208

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 56.979, 272.386 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(37, 157, 254)` looks like.

```
.text, #text, p{  
    color:rgb(37, 157, 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(37, 157, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 157, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 56.979, 272.386 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(37, 157, 254) }
```

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

```
.border{ border-color:rgb(37, 157, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 157, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 157, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 157, 254);  
box-shadow:4px 4px 4px 4px rgb(37, 157,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 56.979, 272.386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 157, 254) }
```

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

```
.background{ background-color: rgb(37, 157,  
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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