Converting Colors

CIELCh(64, 55.896, 268.526)

Have a look what the booklet for CIELCh(64, 55.896, 268.526) contains.

Color

CIELCh(64, 56.159, 268.886)

Conversions

Conversions Part 1

Format	Color
Hex	01A1FF
RGB	1, 161, 255
RGB Percent	0%, 63%, 100%
CMY	0.9943, 0.3678, 0.0000
CMYK	0.99, 0.37, 0.00, 0.00
HSL	202°, 100%, 50%
HSV	202°, 99%, 100%
XYZ	30.8818, 32.8017, 99.4967
YIQ	123.8760, -125.5340, -4.6860

Conversions

Conversions Part 2

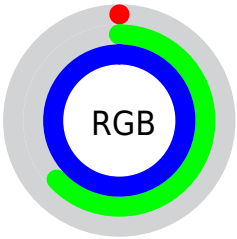
Format	Color
RYB	1, 99, 255
Decimal	107007
CIELab	64.00, -1.09, -56.15
CIELCh	64, 56.159, 268.886
Yxy	32.8017, 0.1892, 0.2010
Android (android.graphics.Color)	4278297087 (0xFF01A1FF)
YUV	123.8760, 64.6441, -107.7623
Hunter-Lab	57.2727, -3.9791, -62.9102

Details

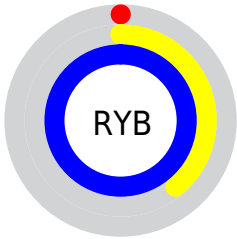
The CIELCh color 64, 56.159, 268.886 is a dark color, and the websafe version is hex 0099FF. The color can be described as middle saturated azure. A complement of this color would be 61, 91.245, 50.592, and the grayscale version is 52, 0.007, 296.813.

A 20% lighter version of the original color is 81, 34.350, 236.455, and 46, 53.552, 278.301 is the 20% darker color. If you saturate the color by 10%, you get 64, 56.307, 269.086, and if you desaturate by 10%, it is 67, 51.809, 263.650.

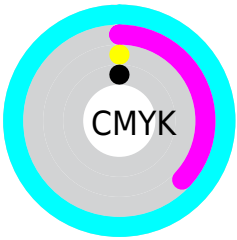
Distribution



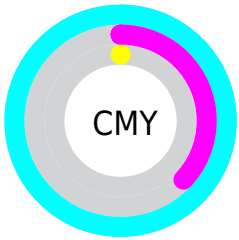
- Red (0%)
- Green (63%)
- Blue (100%)



- Red (0%)
- Yellow (39%)
- Blue (100%)



- Cyan (99%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (99%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 56.159, 268.886 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 64, 56.159, 268.886 by changing the saturation by 10% instead.

64, 56.159, 268.886

100, 56.159, 268.886

84, 56.159, 268.886

94, 56.159, 268.886

64, 56.159, 268.886

54, 56.159, 268.886

44, 56.159, 268.886

34, 56.159, 268.886

24, 56.159, 268.886

14, 56.159, 268.886

4, 56.159, 268.886

0, 56.159, 268.886

64, 56.159, 268.886

64, 56.307, 269.086

64, 56.159, 268.886

67, 51.809, 263.650

70, 47.529, 258.890

73, 42.992, 254.736

77, 38.058, 251.228

80, 32.659, 248.328

84, 26.789, 245.962

88, 20.486, 244.046

92, 13.808,

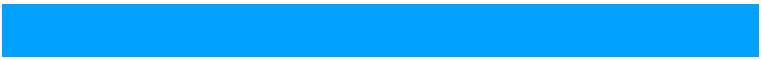
242.502

96, 6.822, 241.281

Harmonies

Complementary

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



64, 56.159, 268.886

61, 91.245, 50.592

Rectangle

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

64, 56.159, 268.886

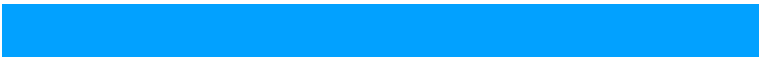
64, 56.159, 318.886

64, 56.159, 88.886

64, 56.159, 138.886

Sweetspot

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



64, 56.058, 268.802

88, 20.853, 244.144

88, 101.498, 143.042

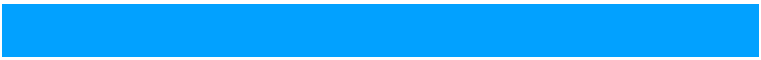
45, 14.088, 244.912

0, 0.000, 0.000

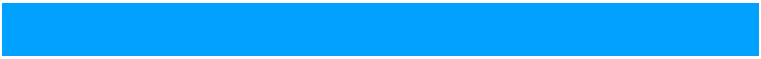
53, 0.007, 296.813

Same Dimension

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



64, 56.058, 268.802



64, 56.307, 269.086

35, 125.711, 304.558

51, 4.110, 241.288

49, 44.783, 268.116

15, 18.959, 260.851

Inverse Universe

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

56, 88.324, 350.810

56, 88.329, 350.968

88, 88.263, 93.269

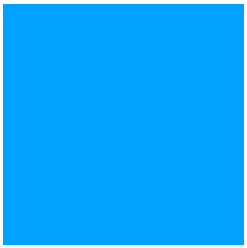
50, 6.984, 337.926

42, 71.374, 350.432

11, 33.656, 346.866

Previews

White Background

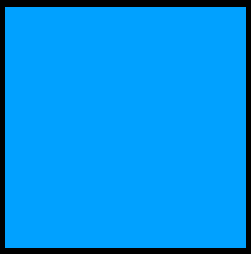


This preview shows how the CIELCh color 64, 56.159, 268.886 looks on a white background.

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 64, 56.159, 268.886 looks on a black background.

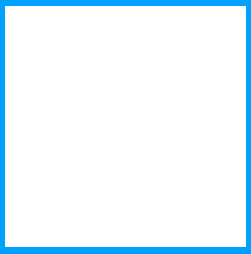
Color Contrast Check

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 64, 56.159, 268.886 Background

This preview shows how black text looks on a background with the CIELCh color 64, 56.159, 268.886.



This preview shows how white text looks on a background with the CIELCh color 64, 56.159, 268.886.

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

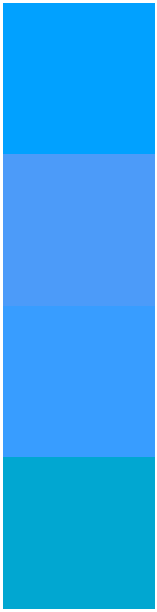
Original Color
64, 56.150, 268.910

Protanopia
64, 53.200, 286.057

Deuteranopia
64, 56.868, 279.579

Tritanopia
64, 35.912, 207.513

Trichromacy



Original Color
64, 56.150, 268.910

Protanomaly
63, 54.265, 276.097

Deuteranomaly
63, 56.964, 274.296

Tritanomaly
64, 37.842, 236.167

Monochromacy

Original Color
64, 56.150, 268.910

Achromatopsia
52, 0.007, 296.813

Achromatomaly
55, 25.591, 248.599

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 56.159, 268.886 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, 161, 255) looks like.

```
.text, #text, p{
    color:rgb(1, 161, 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, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 161, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 56.159, 268.886 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, 161, 255) }
```

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

```
.border{ border-color:rgb(1, 161, 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, 161, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(1, 161, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(1, 161, 255); box-shadow:4px 4px 4px 4px rgb(1, 161, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 56.159, 268.886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(1, 161, 255) }
```

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

```
.background{ background-color:rgb(1, 161,
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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