

Converting Colors

CIELCh(61, 71.926, 260.514)

Have a look what the booklet for
CIELCh(61, 71.926, 260.514)
contains.

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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

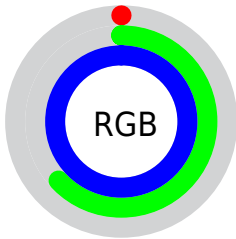
Format	Color
R _Y B	1, 99, 255
Decimal	107007
CIE Lab	64.00, -1.09, -56.15
CIE LCh	64, 56.159, 268.886
Yxy	32.8017, 0.1892, 0.2010
Android (android.graphics.Color)	4278297087 (0xFF01A1FF)
YUV	123.8760, 64.6441, -107.7623
Hunter-Lab	57.2727, -3.9791, -62.9102

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**.

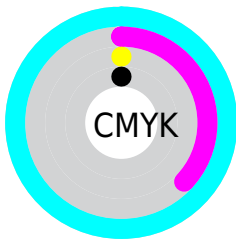
Distribution



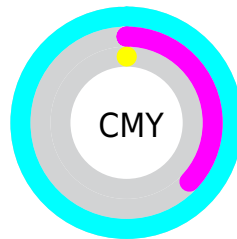
- Red (0%)
- Green (63%)
- Blue (100%)



- 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

 64, 56.159,
268.886

 100, 56.159,
268.886


 54, 56.159,
268.886


 84, 56.159,
268.886

 44, 56.159,
268.886

 94, 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, 56.159,
268.886

■ 64, 56.307,
269.086

■ 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



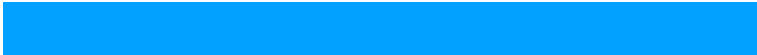
64, 56.159, 88.886



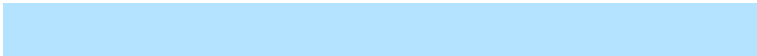
64, 56.159, 138.886

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



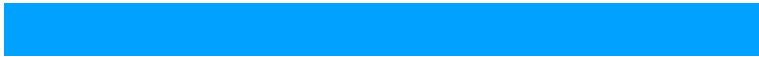
53, 0.007, 296.813

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

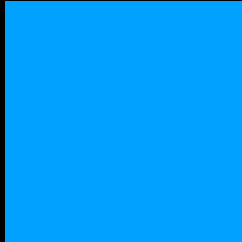
Large Text (above 18pt) WCAG AA × Fail

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

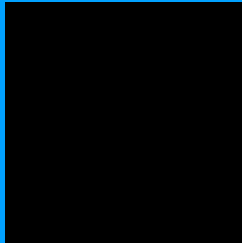
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

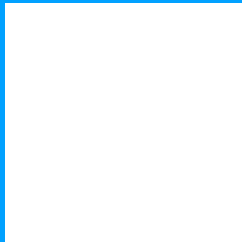
If you want to check with other color combinations, try the [Color Contrast Checker](#).

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.

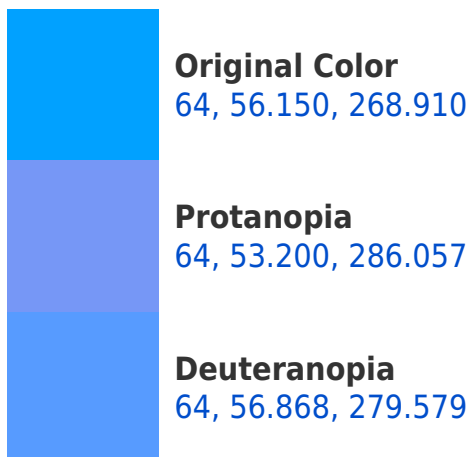


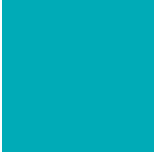
This preview shows how white text looks on a background with the CIELCh color 64, 56.159, 268.886.

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



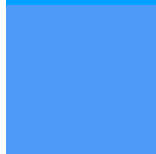


Tritanopia
64, 35.912, 207.513

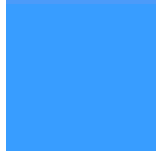
Trichromacy



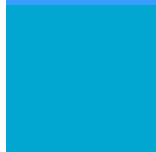
Original Color
64, 56.150, 268.910



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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