

Converting Colors

CIELCh(64, 51.560, 263.746)

Have a look what the booklet for
CIELCh(64, 51.560, 263.746)
contains.

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Color

CIELCh(64, 51.359, 263.767)

Conversions

Conversions Part 1

Format	Color
Hex	00A3F6
RGB	0, 163, 246
RGB Percent	0%, 64%, 96%
CMY	1.0000, 0.3612, 0.0357
CMYK	1.00, 0.34, 0.00, 0.04
HSL	200°, 100%, 48%
HSV	200°, 100%, 96%
XYZ	29.6889, 32.8017, 91.8675
YIQ	123.7250, -123.7910, -8.7430

Conversions

Conversions Part 2

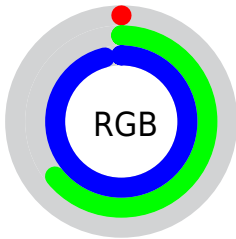
Format	Color
RYB	0, 98, 246
Decimal	41974
CIELab	64.00, -5.58, -51.06
CIELCh	64, 51.359, 263.767
Yxy	32.8017, 0.1923, 0.2125
Android (android.graphics.Color)	4278232054 (0xFF00A3F6)
YUV	123.7250, 60.2816, -108.5068
Hunter-Lab	57.2727, -7.6971, -55.0123

Details

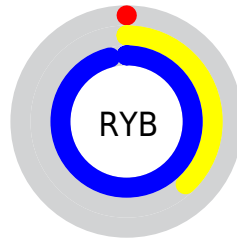
The CIELCh color **64, 51.359, 263.767** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **58, 90.708, 48.720**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 34.498, 232.751**, and **46, 47.813, 273.445** is the 20% darker color. If you saturate the color by 10%, you get **64, 51.351, 263.784**, and if you desaturate by 10%, it is **67, 47.943, 258.645**.

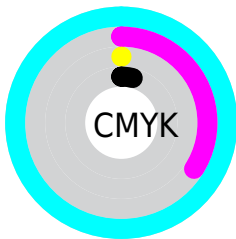
Distribution



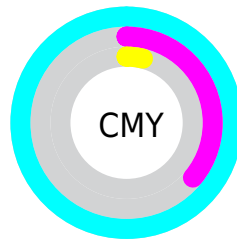
- Red (0%)
- Green (64%)
- Blue (96%)



- Red (0%)
- Yellow (38%)
- Blue (96%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (36%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 51.359, 263.767 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, 51.359, 263.767 by changing the saturation by 10% instead.


 64, 51.359,
263.767


 64, 51.359,
263.767


 100, 51.359,
263.767


 54, 51.359,
263.767


 84, 51.359,
263.767

 44, 51.359,
263.767

 94, 51.359,
263.767

 34, 51.359,
263.767

 24, 51.359,
263.767

 14, 51.359,
263.767

 4, 51.359, 263.767

 0, 51.359, 263.767

■ 64, 51.359,
263.767

■ 64, 51.359,
263.767

■ 64, 51.351,
263.784

■ 67, 47.943,
258.645

■ 69, 44.428,
253.943

■ 72, 40.564,
249.894

■ 75, 36.216,
246.516

■ 79, 31.325,
243.755

■ 82, 25.900,
241.527

■ 86, 19.985,
239.742

■ 89, 13.649,

238.322

■ 93, 6.965, 237.214

Harmonies

Complementary

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



64, 51.359, 263.767



58, 90.708, 48.720

Rectangle

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



64, 51.359, 263.767



64, 51.359, 313.767



64, 51.359, 83.767



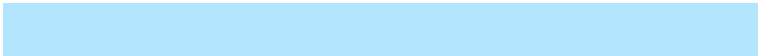
64, 51.359, 133.767

Sweetspot

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



64, 51.351, 263.784



88, 20.580, 239.751



85, 101.583, 141.819



46, 13.880, 240.457



0, 0.000, 0.000



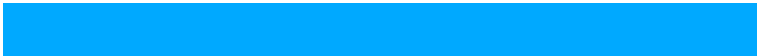
53, 0.007, 296.813

Same Dimension

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



64, 51.351, 263.784



66, 52.851, 263.894



34, 119.348, 303.837



49, 3.948, 237.166



49, 41.225, 262.808



14, 17.002, 254.808

Inverse Universe

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



54, 87.479, 348.219



56, 89.890, 348.271



84, 84.358, 90.462



48, 6.911, 336.485



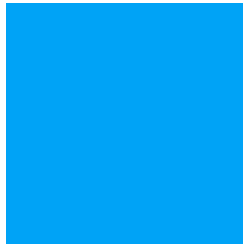
41, 71.222, 347.757



10, 32.543, 344.375

Previews

White Background



This preview shows how the CIELCh color 64, 51.359, 263.767 looks on a white background.

Color Contrast Check

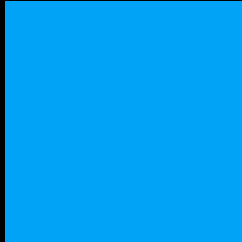
Large Text (above 18pt) WCAG AA × Fail

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, 51.359, 263.767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

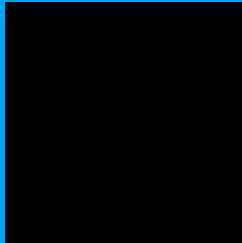
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

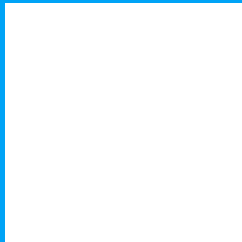
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 51.359, 263.767

Background



This preview shows how black text looks on a background with the CIELCh color 64, 51.359, 263.767.



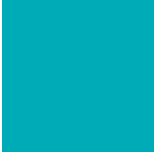
This preview shows how white text looks on a background with the CIELCh color 64, 51.359, 263.767.

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, 35.865, 208.468

Trichromacy



Original Color
64, 51.359, 263.767



Protanomaly
63, 49.670, 273.616



Deuteranomaly
64, 52.379, 271.769



Tritanomaly
64, 37.382, 233.348

Monochromacy



Original Color
64, 51.359, 263.767



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 24.199, 244.117

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 51.359, 263.767 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(0, 163, 246)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 246)  
}
```

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(0, 163, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 51.359, 263.767 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(0, 163, 246) }
```

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

```
.border{ border-color:rgb(0, 163, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 163, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 246);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 51.359, 263.767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 246) }
```

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

```
.background{ background-color: rgb(0, 163,  
246) }
```

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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