

Converting Colors

CIELCh(65, 51.257, 263.213)

Have a look what the booklet for
CIELCh(65, 51.257, 263.213)
contains.

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Color

CIELCh(65, 51.382, 263.297)

Conversions

Conversions Part 1

Format	Color
Hex	06A6F9
RGB	6, 166, 249
RGB Percent	2%, 65%, 98%
CMY	0.9784, 0.3499, 0.0245
CMYK	0.98, 0.33, 0.00, 0.02
HSL	200°, 96%, 50%
HSV	200°, 98%, 98%
XYZ	30.7216, 34.0472, 94.3683
YIQ	127.6220, -122.0030, -8.1070

Conversions

Conversions Part 2

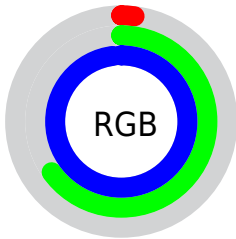
Format	Color
R _{YB}	6, 102, 249
Decimal	435961
CIE Lab	65.00, -6.00, -51.03
CIE LCh	65, 51.382, 263.297
Yxy	34.0472, 0.1931, 0.2139
Android (android.graphics.Color)	4278626041 (0xFF06A6F9)
YUV	127.6220, 59.8394, -106.6625
Hunter-Lab	58.3500, -8.1310, -55.0437

Details

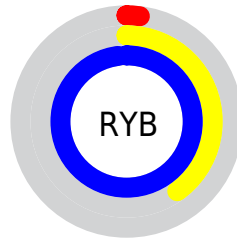
The CIELCh color **65, 51.382, 263.297** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **59, 89.840, 49.260**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 34.116, 229.823**, and **47, 47.799, 272.638** is the 20% darker color. If you saturate the color by 10%, you get **64, 52.179, 264.427**, and if you desaturate by 10%, it is **68, 47.878, 258.181**.

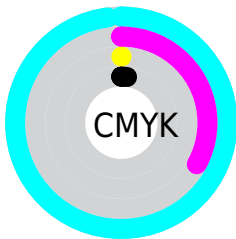
Distribution



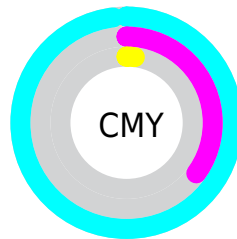
- Red (2%)
- Green (65%)
- Blue (98%)



- Red (2%)
- Yellow (40%)
- Blue (98%)



- Cyan (98%)
- Magenta (33%)
- Yellow (0%)
- Black (2%)





- Cyan (98%)
- Magenta (35%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 51.382, 263.297 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 65, 51.382, 263.297 by changing the saturation by 10% instead.


 65, 51.382,
263.297


 65, 51.382,
263.297


 100, 51.382,
263.297


 55, 51.382,
263.297


 85, 51.382,
263.297

 45, 51.382,
263.297

 95, 51.382,
263.297

 35, 51.382,
263.297

 25, 51.382,
263.297

 15, 51.382,
263.297

 5, 51.382, 263.297

 0, 51.382, 263.297

■ 65, 51.382,
263.297

■ 65, 51.382,
263.297

■ 64, 52.179,
264.427

■ 68, 47.878,
258.181

■ 70, 44.203,
253.597

■ 73, 40.151,
249.675

■ 77, 35.602,
246.414

■ 80, 30.513,
243.755

■ 84, 24.898,
241.611

■ 87, 18.811,
239.893

■ 91, 12.320,

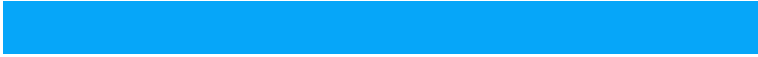
238.527

■ 95, 5.499, 237.476

Harmonies

Complementary

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



65, 51.382, 263.297



59, 89.840, 49.260

Rectangle

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



65, 51.382, 263.297



65, 51.382, 313.297



65, 51.382, 83.297



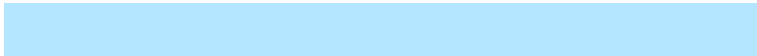
65, 51.382, 133.297

Sweetspot

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



65, 51.381, 263.298



89, 19.969, 240.088



86, 101.243, 142.237



46, 13.549, 240.794



0, 0.000, 0.000



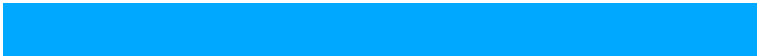
53, 0.007, 296.813

Same Dimension

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



65, 51.381, 263.298



66, 53.215, 264.501



36, 118.348, 303.407



50, 4.017, 237.631



50, 41.946, 263.470



15, 17.628, 255.855

Inverse Universe

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



55, 88.044, 347.990



56, 89.704, 348.566



85, 84.774, 90.741



49, 7.011, 336.644



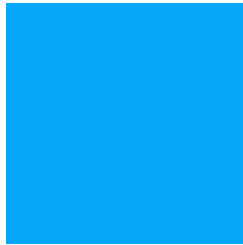
42, 71.784, 348.068



10, 33.334, 344.781

Previews

White Background



This preview shows how the CIE LCh color 65, 51.382, 263.297 looks on a white background.

Color Contrast Check

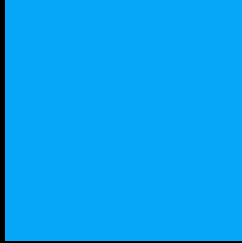
Large Text (above 18pt) WCAG AA × Fail

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 65, 51.382, 263.297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

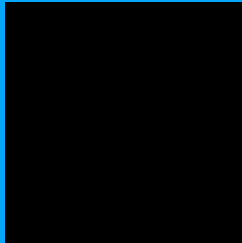
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

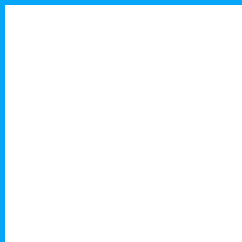
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 51.382, 263.297

Background



This preview shows how black text looks on a background with the CIELCh color 65, 51.382, 263.297.

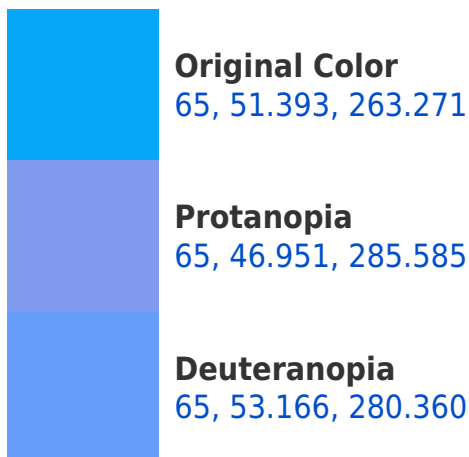


This preview shows how white text looks on a background with the CIELCh color 65, 51.382, 263.297.

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
65, 36.338, 208.270

Trichromacy



Original Color
65, 51.393, 263.271



Protanomaly
64, 49.028, 273.160



Deuteranomaly
64, 52.720, 272.173



Tritanomaly
65, 37.526, 231.975

Monochromacy



Original Color
65, 51.393, 263.271



Achromatopsia
53, 0.007, 296.813



Achromatomaly
56, 24.025, 244.324

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 51.382, 263.297 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(6, 166, 249)` looks like.

```
.text, #text, p{  
    color:rgb(6, 166, 249)  
}
```

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(6, 166, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 166, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 51.382, 263.297 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(6, 166, 249) }
```

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

```
.border{ border-color:rgb(6, 166, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 166, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 166, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 166, 249);  
box-shadow:4px 4px 4px 4px rgb(6, 166,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 51.382, 263.297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 166, 249) }
```

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

```
.background{ background-color: rgb(6, 166,  
249) }
```

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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