

Converting Colors

CIELCh(65, 50.110, 261.831)

Have a look what the booklet for
CIELCh(65, 50.110, 261.831)
contains.

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Color

CIELCh(65, 50.118, 261.889)

Conversions

Conversions Part 1

Format	Color
Hex	09A6F6
RGB	9, 166, 246
RGB Percent	4%, 65%, 96%
CMY	0.9645, 0.3484, 0.0347
CMYK	0.96, 0.33, 0.00, 0.03
HSL	200°, 93%, 50%
HSV	200°, 96%, 97%
XYZ	30.4341, 34.0472, 92.2843
YIQ	128.1770, -119.2520, -8.4040

Conversions

Conversions Part 2

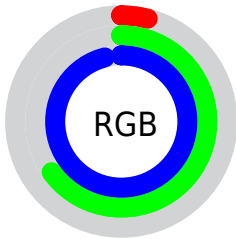
Format	Color
R _Y B	9, 103, 246
Decimal	632566
CIE Lab	65.00, -7.07, -49.62
CIE LCh	65, 50.118, 261.889
Yxy	34.0472, 0.1941, 0.2172
Android (android.graphics.Color)	4278822646 (0xFF09A6F6)
YUV	128.1770, 58.0867, -104.5182
Hunter-Lab	58.3500, -9.0105, -52.9261

Details

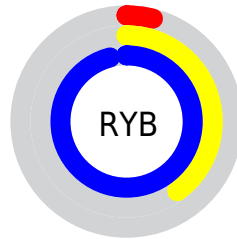
The CIELCh color **65, 50.118, 261.889** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **59, 88.319, 49.340**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 34.116, 229.823**, and **47, 46.304, 271.248** is the 20% darker color. If you saturate the color by 10%, you get **64, 51.389, 263.776**, and if you desaturate by 10%, it is **68, 46.716, 256.838**.

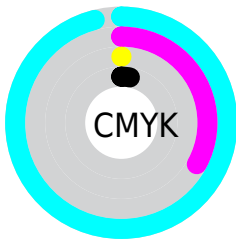
Distribution



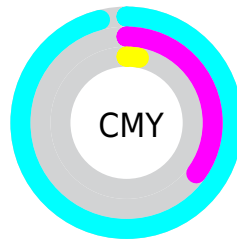
- Red (4%)
- Green (65%)
- Blue (96%)



- Red (4%)
- Yellow (40%)
- Blue (96%)



- Cyan (96%)
- Magenta (33%)
- Yellow (0%)
- Black (3%)





- Cyan (96%)
- Magenta (35%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 50.118, 261.889 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, 50.118, 261.889 by changing the saturation by 10% instead.

 65, 50.118,
261.889


 65, 50.118,
261.889


 100, 50.118,
261.889


 55, 50.118,
261.889


 85, 50.118,
261.889

 45, 50.118,
261.889

 95, 50.118,
261.889

 35, 50.118,
261.889

 25, 50.118,
261.889

 15, 50.118,
261.889

 5, 50.118, 261.889

 0, 50.118, 261.889

■ 65, 50.118,
261.889

■ 65, 50.118,
261.889

■ 64, 51.389,
263.776

■ 68, 46.716,
256.838

■ 70, 43.092,
252.367

■ 73, 39.059,
248.568

■ 77, 34.511,
245.425

■ 80, 29.417,
242.870

■ 83, 23.800,
240.815

■ 87, 17.717,
239.173

■ 91, 11.239,

237.871

■ 94, 4.440, 236.890

Harmonies

Complementary

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



65, 50.118, 261.889



59, 88.319, 49.340

Rectangle

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



65, 50.118, 261.889



65, 50.118, 311.889



65, 50.118, 81.889



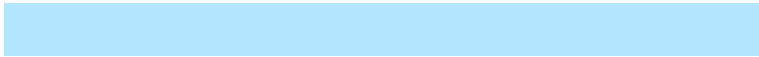
65, 50.118, 131.889

Sweetspot

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



65, 50.117, 261.890



89, 19.945, 239.584



85, 99.570, 142.545



46, 13.530, 240.283



0, 0.000, 0.000



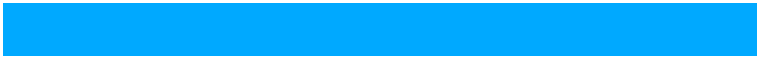
53, 0.007, 296.813

Same Dimension

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



65, 50.117, 261.890



66, 52.844, 263.882



36, 115.907, 303.076



49, 3.948, 237.157



49, 41.219, 262.797



14, 17.000, 254.797

Inverse Universe

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



55, 87.536, 347.336



56, 89.893, 348.266



84, 83.897, 90.939



48, 6.911, 336.482



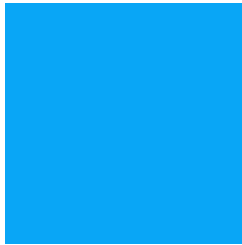
41, 71.224, 347.751



10, 32.544, 344.371

Previews

White Background



This preview shows how the CIE LCh color 65, 50.118, 261.889 looks on a white background.

Color Contrast Check

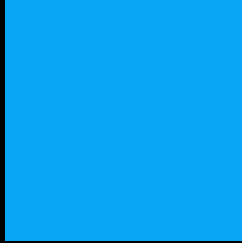
Large Text (above 18pt) WCAG AA × Fail

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 65, 50.118, 261.889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

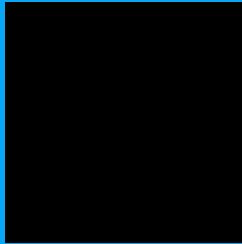
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

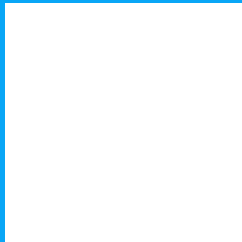
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 50.118, 261.889

Background



This preview shows how black text looks on a background with the CIELCh color 65, 50.118, 261.889.

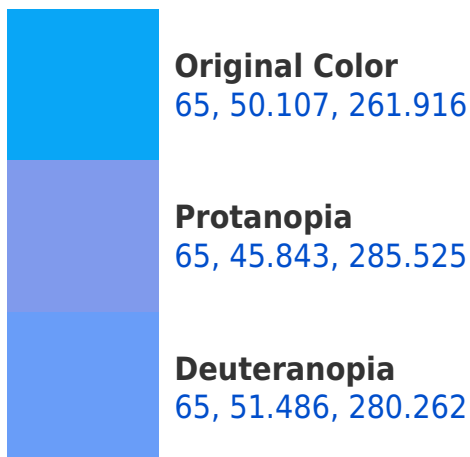


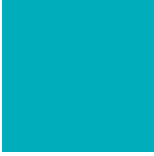
This preview shows how white text looks on a background with the CIELCh color 65, 50.118, 261.889.

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](#).

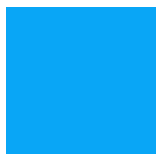
Dichromacy



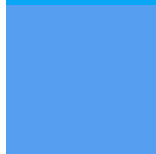


Tritanopia
65, 36.338, 208.270

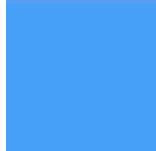
Trichromacy



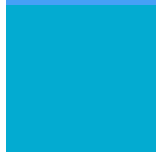
Original Color
65, 50.107, 261.916



Protanomaly
64, 47.944, 272.824

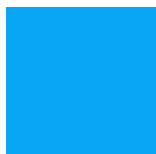


Deuteranomaly
64, 51.154, 271.505



Tritanomaly
65, 37.501, 232.003

Monochromacy



Original Color
65, 50.107, 261.916



Achromatopsia
54, 0.007, 296.813



Achromatomaly
56, 23.521, 243.498

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 50.118, 261.889 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(9, 166, 246)` looks like.

```
.text, #text, p{  
    color:rgb(9, 166, 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(9, 166, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 166, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 50.118, 261.889 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(9, 166, 246) }
```

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

```
.border{ border-color:rgb(9, 166, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 166, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 166, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 166, 246);  
box-shadow:4px 4px 4px 4px rgb(9, 166,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 50.118, 261.889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 166, 246) }
```

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

```
.background{ background-color: rgb(9, 166,  
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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