

Converting Colors

CIELCh(60, 70.009, 238.481)

Have a look what the booklet for
CIELCh(60, 70.009, 238.481)
contains.

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Color

CIELCh(65, 51.079, 262.426)

Conversions

Conversions Part 1

Format	Color
Hex	00A6F8
RGB	0, 166, 248
RGB Percent	0%, 65%, 97%
CMY	1.0000, 0.3486, 0.0274
CMYK	1.00, 0.33, 0.00, 0.03
HSL	200°, 100%, 49%
HSV	200°, 100%, 97%
XYZ	30.5246, 34.0472, 93.7795
YIQ	125.7140, -125.2580, -9.6900

Conversions

Conversions Part 2

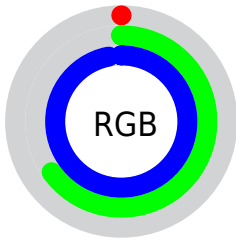
Format	Color
RYB	0, 99, 248
Decimal	42744
CIELab	65.00, -6.73, -50.63
CIELCh	65, 51.079, 262.426
Yxy	34.0472, 0.1928, 0.2150
Android (android.graphics.Color)	4278232824 (0xFF00A6F8)
YUV	125.7140, 60.2870, -110.2512
Hunter-Lab	58.3500, -8.7337, -54.4454

Details

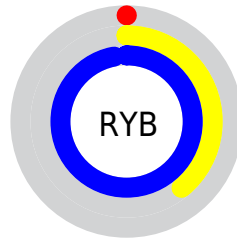
The CIELCh color **65, 51.079, 262.426** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **58, 91.683, 48.321**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 34.281, 229.642**, and **47, 47.298, 272.184** is the 20% darker color. If you saturate the color by 10%, you get **65, 51.010, 262.581**, and if you desaturate by 10%, it is **68, 47.738, 257.446**.

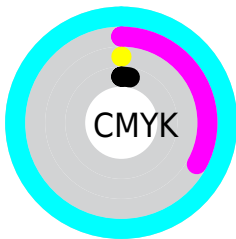
Distribution



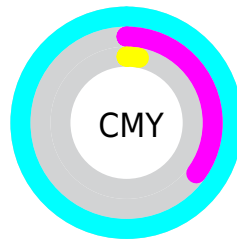
- Red (0%)
- Green (65%)
- Blue (97%)



- Red (0%)
- Yellow (39%)
- Blue (97%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (3%)





- Cyan (100%)
- Magenta (35%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 51.079, 262.426 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, 51.079, 262.426 by changing the saturation by 10% instead.


 65, 51.079,
262.426


 65, 51.079,
262.426


 100, 51.079,
262.426


 55, 51.079,
262.426


 85, 51.079,
262.426

 45, 51.079,
262.426

 95, 51.079,
262.426

 35, 51.079,
262.426

 25, 51.079,
262.426

 15, 51.079,
262.426

 5, 51.079, 262.426

 0, 51.079, 262.426

■ 65, 51.079,
262.426

■ 65, 51.079,
262.426

■ 65, 51.010,
262.581

■ 68, 47.738,
257.446

■ 70, 44.336,
252.768

■ 73, 40.557,
248.754

■ 76, 36.268,
245.415

■ 79, 31.413,
242.693

■ 83, 26.000,
240.503

■ 86, 20.080,
238.754

■ 90, 13.724,

237.367

■ 94, 7.007, 236.290

Harmonies

Complementary

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



65, 51.079, 262.426



58, 91.683, 48.321

Rectangle

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



65, 51.079, 262.426



65, 51.079, 312.426



65, 51.079, 82.426



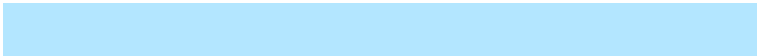
65, 51.079, 132.426

Sweetspot

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



65, 51.010, 262.581



89, 20.535, 238.761



86, 103.536, 141.272



46, 13.845, 239.452



0, 0.000, 0.000



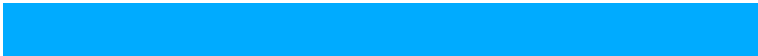
53, 0.007, 296.813

Same Dimension

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



65, 51.010, 262.581



67, 52.142, 262.665



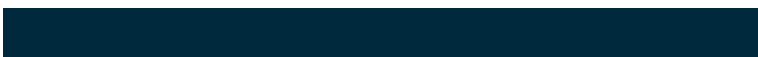
35, 118.333, 303.396



50, 4.012, 236.245



50, 41.129, 261.633



15, 17.374, 254.055

Inverse Universe

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



55, 88.412, 347.651



56, 90.267, 347.690



83, 84.189, 89.020



49, 7.065, 336.176



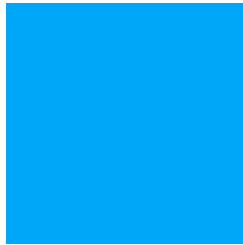
42, 72.236, 347.216



10, 33.539, 344.088

Previews

White Background



This preview shows how the CIE LCh color 65, 51.079, 262.426 looks on a white background.

Color Contrast Check

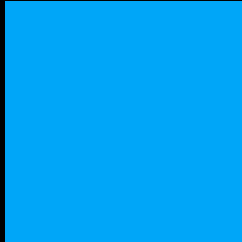
Large Text (above 18pt) WCAG AA × Fail

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, 51.079, 262.426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

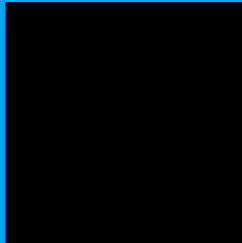
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

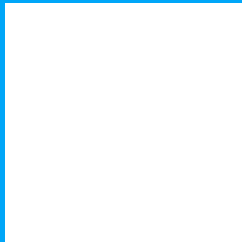
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 51.079, 262.426

Background



This preview shows how black text looks on a background with the CIELCh color 65, 51.079, 262.426.

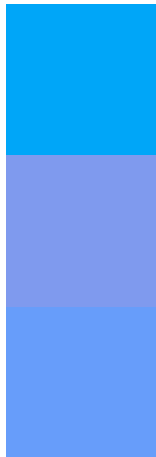


This preview shows how white text looks on a background with the CIELCh color 65, 51.079, 262.426.

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

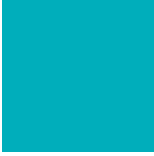
65, 51.042, 262.643

Protanopia

65, 46.951, 285.585

Deuteranopia

65, 52.607, 280.324



Tritanopia
65, 36.338, 208.270

Trichromacy



Original Color
65, 51.042, 262.643



Protanomaly
64, 49.131, 272.782



Deuteranomaly
64, 52.284, 271.672



Tritanomaly
65, 37.576, 231.919

Monochromacy



Original Color
65, 51.042, 262.643



Achromatopsia
53, 0.007, 296.813



Achromatomaly
56, 24.211, 241.901

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 51.079, 262.426 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, 166, 248)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 248)  
}
```

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, 166, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 51.079, 262.426 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, 166, 248) }
```

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

```
.border{ border-color:rgb(0, 166, 248) }
```

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

Here you see how a box with a 4 pixel rgb(0, 166, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 248);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
248) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 51.079, 262.426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 248) }
```

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

```
.background{ background-color: rgb(0, 166,  
248) }
```

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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