

Converting Colors

CIELCh(58, 78.740, 230.294)

Have a look what the booklet for
CIELCh(58, 78.740, 230.294)
contains.

CIELCh(65, 49.804, 261.179)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(65, 49.804, 261.179)

Conversions

Conversions Part 1

Format	Color
Hex	03A6F5
RGB	3, 166, 245
RGB Percent	1%, 65%, 96%
CMY	0.9899, 0.3475, 0.0376
CMYK	0.99, 0.32, 0.00, 0.04
HSL	200°, 98%, 49%
HSV	200°, 99%, 96%
XYZ	30.2833, 34.0472, 91.6980
YIQ	126.2690, -122.5070, -9.9870

Conversions

Conversions Part 2

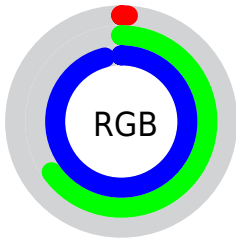
Format	Color
R _Y B	3, 100, 245
Decimal	239349
CIE Lab	65.00, -7.64, -49.21
CIE LCh	65, 49.804, 261.179
Yxy	34.0472, 0.1941, 0.2182
Android (android.graphics.Color)	4278429429 (0xFF03A6F5)
YUV	126.2690, 58.5344, -108.1069
Hunter-Lab	58.3500, -9.4720, -52.3303

Details

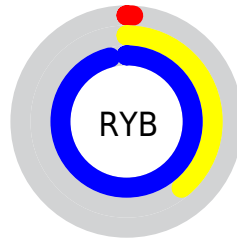
The CIELCh color **65, 49.804, 261.179** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **58, 90.456, 48.233**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 34.445, 229.464**, and **47, 46.301, 271.523** is the 20% darker color. If you saturate the color by 10%, you get **65, 50.142, 261.709**, and if you desaturate by 10%, it is **67, 46.670, 256.075**.

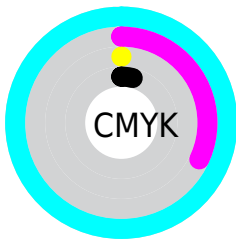
Distribution



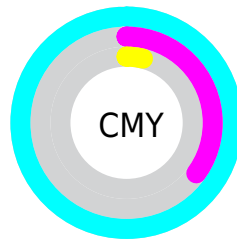
- Red (1%)
- Green (65%)
- Blue (96%)



- Red (1%)
- Yellow (39%)
- Blue (96%)



- Cyan (99%)
- Magenta (32%)
- Yellow (0%)
- Black (4%)





- Cyan (99%)
- Magenta (35%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 49.804, 261.179 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, 49.804, 261.179 by changing the saturation by 10% instead.


 65, 49.804,
261.179


 65, 49.804,
261.179


 100, 49.804,
261.179


 55, 49.804,
261.179


 85, 49.804,
261.179

 45, 49.804,
261.179

 95, 49.804,
261.179

 35, 49.804,
261.179

 25, 49.804,
261.179

 15, 49.804,
261.179

 5, 49.804, 261.179

 0, 49.804, 261.179

■ 65, 49.804,
261.179

■ 65, 49.804,
261.179

■ 65, 50.142,
261.709

■ 67, 46.670,
256.075

■ 70, 43.352,
251.491

■ 73, 39.626,
247.582

■ 76, 35.369,
244.346

■ 79, 30.536,
241.717

■ 83, 25.143,
239.607

■ 86, 19.245,
237.927

■ 90, 12.915,

236.599

■ 93, 6.230, 235.577

Harmonies

Complementary

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



65, 49.804, 261.179



58, 90.456, 48.233

Rectangle

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



65, 49.804, 261.179



65, 49.804, 311.179



65, 49.804, 81.179



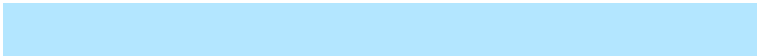
65, 49.804, 131.179

Sweetspot

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



65, 49.803, 261.180



89, 20.508, 238.095



85, 102.100, 141.480



46, 13.824, 238.775



0, 0.000, 0.000



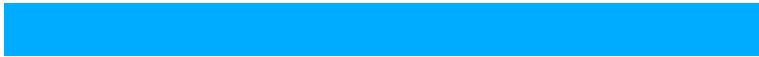
53, 0.007, 296.813

Same Dimension

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



65, 49.803, 261.180



67, 51.680, 261.825



35, 116.332, 303.163



49, 3.943, 235.623



50, 40.345, 260.740



14, 16.740, 252.795

Inverse Universe

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



54, 87.965, 347.013



56, 90.527, 347.303



82, 83.367, 89.179



48, 6.971, 335.968



41, 71.727, 346.817



10, 32.766, 343.619

Previews

White Background



This preview shows how the CIE LCh color 65, 49.804, 261.179 looks on a white background.

Color Contrast Check

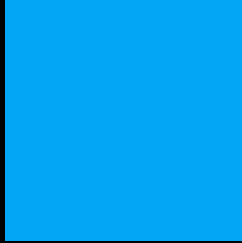
Large Text (above 18pt) WCAG AA × Fail

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, 49.804, 261.179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

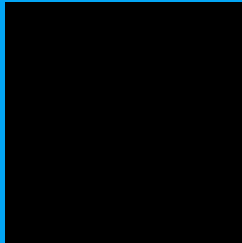
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

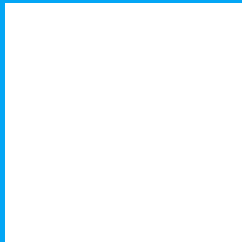
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 49.804, 261.179

Background



This preview shows how black text looks on a background with the CIELCh color 65, 49.804, 261.179.

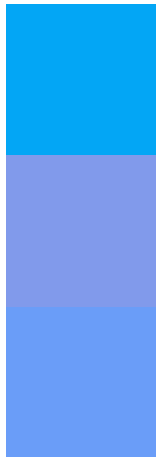


This preview shows how white text looks on a background with the CIELCh color 65, 49.804, 261.179.

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, 49.768, 261.260

Protanopia

65, 45.272, 285.663

Deuteranopia

65, 51.443, 280.492



Tritanopia
65, 36.338, 208.270

Trichromacy



Original Color
65, 49.768, 261.260



Protanomaly
64, 47.110, 271.366



Deuteranomaly
64, 51.245, 271.209



Tritanomaly
65, 37.379, 231.067

Monochromacy



Original Color
65, 49.768, 261.260



Achromatopsia
53, 0.007, 296.813



Achromatomaly
56, 23.730, 241.080

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 49.804, 261.179 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(3, 166, 245)` looks like.

```
.text, #text, p{  
    color:rgb(3, 166, 245)  
}
```

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(3, 166, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 166, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 49.804, 261.179 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(3, 166, 245) }
```

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

```
.border{ border-color:rgb(3, 166, 245) }
```

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

Here you see how a box with a 4 pixel rgb(3, 166, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 166, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 166, 245);  
box-shadow:4px 4px 4px 4px rgb(3, 166,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 49.804, 261.179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 166, 245) }
```

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

```
.background{ background-color: rgb(3, 166,  
245) }
```

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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