

Converting Colors

CIELCh(66, 51.372, 262.083)

Have a look what the booklet for
CIELCh(66, 51.372, 262.083)
contains.

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Color

CIELCh(66, 51.156, 261.996)

Conversions

Conversions Part 1

Format	Color
Hex	00A9FB
RGB	0, 169, 251
RGB Percent	0%, 66%, 98%
CMY	1.0000, 0.3374, 0.0158
CMYK	1.00, 0.33, 0.00, 0.02
HSL	200°, 100%, 49%
HSV	200°, 100%, 98%
XYZ	31.5850, 35.3238, 96.3884
YIQ	127.8170, -127.0460, -10.3260

Conversions

Conversions Part 2

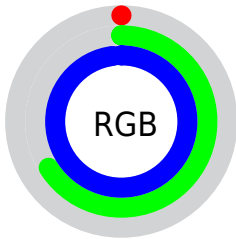
Format	Color
RYB	0, 101, 251
Decimal	43515
CIELab	66.00, -7.12, -50.66
CIElCh	66, 51.156, 261.996
Yxy	35.3238, 0.1934, 0.2163
Android (android.graphics.Color)	4278233595 (0xFF00A9FB)
YUV	127.8170, 60.7292, -112.0955
Hunter-Lab	59.4338, -9.1488, -54.5514

Details

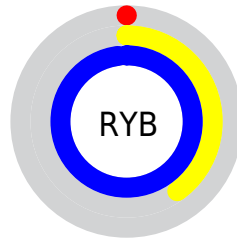
The CIELCh color **66, 51.156, 261.996** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **59, 92.712, 48.115**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 34.330, 226.356**, and **48, 47.795, 272.104** is the 20% darker color. If you saturate the color by 10%, you get **66, 51.153, 262.001**, and if you desaturate by 10%, it is **69, 47.929, 256.866**.

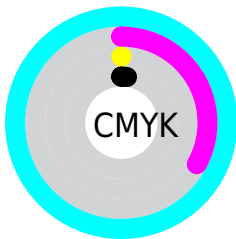
Distribution



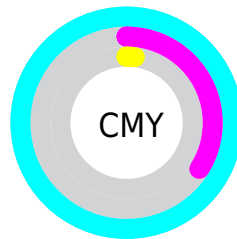
- Red (0%)
- Green (66%)
- Blue (98%)



- Red (0%)
- Yellow (40%)
- Blue (98%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (2%)





- Cyan (100%)
- Magenta (34%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 51.156, 261.996 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 66, 51.156, 261.996 by changing the saturation by 10% instead.

 66, 51.156,
261.996


 66, 51.156,
261.996


 100, 51.156,
261.996


 56, 51.156,
261.996


 86, 51.156,
261.996

 46, 51.156,
261.996

 96, 51.156,
261.996

 36, 51.156,
261.996

 26, 51.156,
261.996

 16, 51.156,
261.996

 6, 51.156, 261.996

 0, 51.156, 261.996

■ 66, 51.156,
261.996

■ 66, 51.156,
261.996

■ 66, 51.153,
262.001

■ 69, 47.929,
256.866

■ 71, 44.562,
252.197

■ 74, 40.804,
248.197

■ 77, 36.518,
244.876

■ 80, 31.651,
242.172

■ 84, 26.212,
240.000

■ 87, 20.253,
238.268

■ 91, 13.847,

236.897

■ 95, 7.072, 235.835

Harmonies

Complementary

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



66, 51.156, 261.996



59, 92.712, 48.115

Rectangle

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



66, 51.156, 261.996



66, 51.156, 311.996



66, 51.156, 81.996



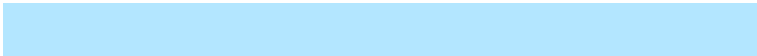
66, 51.156, 131.996

Sweetspot

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



66, 51.153, 262.001



89, 20.515, 238.272



87, 104.499, 141.259



46, 13.830, 238.955



0, 0.000, 0.000



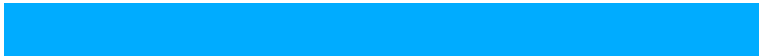
53, 0.007, 296.813

Same Dimension

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



66, 51.153, 262.001



67, 51.802, 262.049



36, 119.456, 303.410



50, 4.010, 235.789



51, 40.870, 261.018



15, 17.294, 253.456

Inverse Universe

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



55, 89.384, 347.384



56, 90.457, 347.405



84, 84.942, 89.010



49, 7.083, 336.024



42, 72.388, 346.940



10, 33.607, 343.864

Previews

White Background



This preview shows how the CIE LCh color 66, 51.156, 261.996 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 66, 51.156, 261.996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

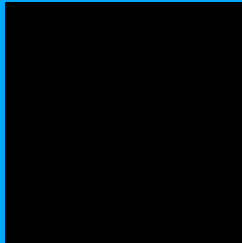
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

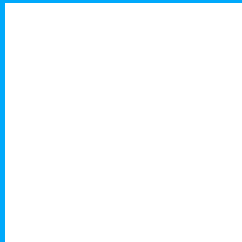
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 51.156, 261.996

Background



This preview shows how black text looks on a background with the CIELCh color 66, 51.156, 261.996.

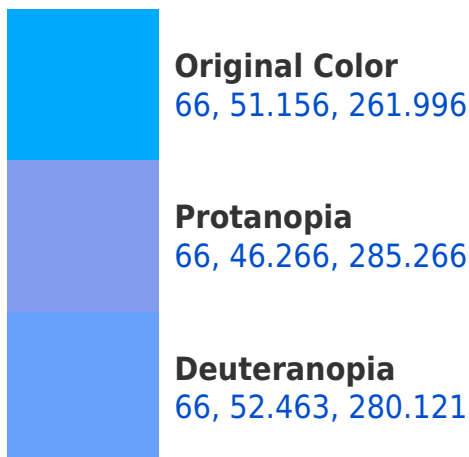


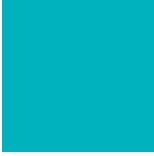
This preview shows how white text looks on a background with the CIELCh color 66, 51.156, 261.996.

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



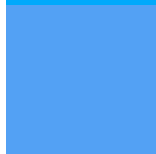


Tritanopia
66, 36.811, 208.078

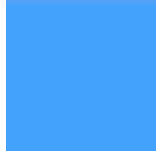
Trichromacy



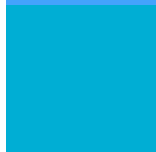
Original Color
66, 51.156, 261.996



Protanomaly
65, 48.606, 271.940



Deuteranomaly
65, 52.294, 271.058



Tritanomaly
66, 37.956, 231.387

Monochromacy



Original Color
66, 51.156, 261.996



Achromatopsia
54, 0.007, 296.813



Achromatomaly
56, 24.692, 242.556

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 51.156, 261.996 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, 169, 251)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 251)  
}
```

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, 169, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 51.156, 261.996 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, 169, 251) }
```

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

```
.border{ border-color:rgb(0, 169, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 251);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 51.156, 261.996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 251) }
```

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

```
.background{ background-color: rgb(0, 169,  
251) }
```

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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