

Converting Colors

CIELCh(68, 49.515, 258.239)

Have a look what the booklet for
CIELCh(68, 49.515, 258.239)
contains.

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Color

CIELCh(68, 49.466, 258.055)

Conversions

Conversions Part 1

Format	Color
Hex	00B0FD
RGB	0, 176, 253
RGB Percent	0%, 69%, 99%
CMY	1.0000, 0.3112, 0.0094
CMYK	1.00, 0.30, 0.00, 0.01
HSL	198°, 100%, 50%
HSV	198°, 100%, 99%
XYZ	33.1154, 37.9720, 98.1845
YIQ	132.1540, -129.6130, -13.3650

Conversions

Conversions Part 2

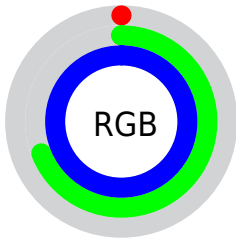
Format	Color
R _{YB}	0, 104, 253
Decimal	45309
CIE _{Lab}	68.00, -10.24, -48.39
CIE _{LCh}	68, 49.466, 258.055
Y _{xy}	37.9720, 0.1956, 0.2243
Android (android.graphics.Color)	4278235389 (0xFF00B0FD)
YUV	132.1540, 59.5771, -115.8991
Hunter-Lab	61.6215, -11.9115, -51.3347

Details

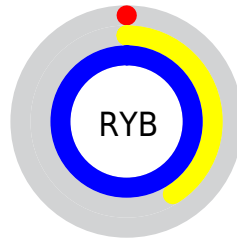
The CIELCh color **68, 49.466, 258.055** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **58, 94.311, 47.015**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 34.667, 218.983**, and **50, 45.433, 267.813** is the 20% darker color. If you saturate the color by 10%, you get **68, 49.460, 258.066**, and if you desaturate by 10%, it is **70, 46.695, 253.000**.

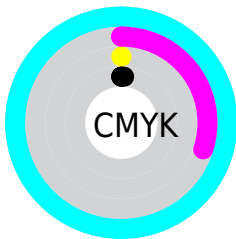
Distribution



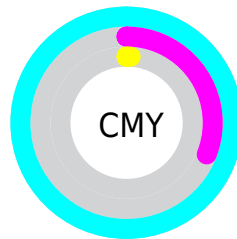
- Red (0%)
- Green (69%)
- Blue (99%)



- Red (0%)
- Yellow (41%)
- Blue (99%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (1%)





- Cyan (100%)
- Magenta (31%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 49.466, 258.055 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 68, 49.466, 258.055 by changing the saturation by 10% instead.


 68, 49.466,
258.055


 68, 49.466,
258.055


 100, 49.466,
258.055


 58, 49.466,
258.055


 88, 49.466,
258.055

 48, 49.466,
258.055

 98, 49.466,
258.055

 38, 49.466,
258.055

 28, 49.466,
258.055

 18, 49.466,
258.055

 8, 49.466, 258.055

 0, 49.466, 258.055

■ 68, 49.466,
258.055

■ 68, 49.466,
258.055

■ 68, 49.460,
258.066

■ 70, 46.695,
253.000

■ 73, 43.713,
248.452

■ 76, 40.258,
244.599

■ 79, 36.202,
241.430

■ 82, 31.499,
238.873

■ 85, 26.168,
236.836

■ 88, 20.271,
235.228

■ 92, 13.888,

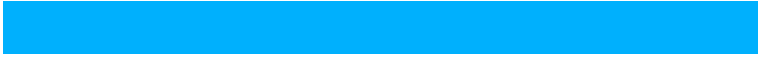
233.969

■ 95, 7.105, 233.009

Harmonies

Complementary

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



68, 49.466, 258.055



58, 94.311, 47.015

Rectangle

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



68, 49.466, 258.055



68, 49.466, 308.055



68, 49.466, 78.055



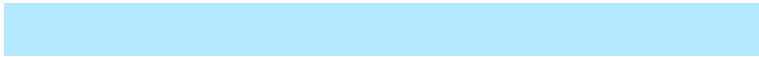
68, 49.466, 128.055

Sweetspot

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



68, 49.460, 258.066



89, 20.425, 235.230



87, 106.279, 140.742



46, 13.755, 235.862



0, 0.000, 0.000



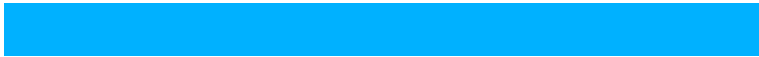
53, 0.007, 296.813

Same Dimension

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



68, 49.460, 258.066



69, 49.827, 258.094



37, 118.103, 302.926



51, 4.075, 232.970



52, 39.785, 257.123



16, 17.341, 250.059

Inverse Universe

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



56, 91.044, 345.673



57, 91.688, 345.684



83, 84.699, 87.536



50, 7.316, 335.102



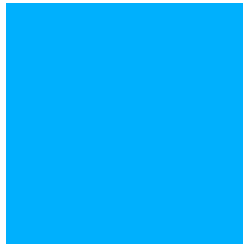
42, 74.095, 345.287



11, 34.916, 342.640

Previews

White Background



This preview shows how the CIE LCh color 68, 49.466, 258.055 looks on a white background.

Color Contrast Check

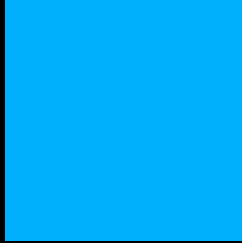
Large Text (above 18pt) WCAG AA × Fail

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 68, 49.466, 258.055 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

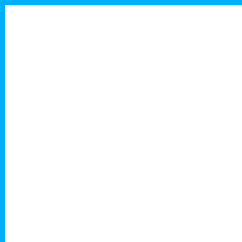
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 49.466, 258.055

Background



This preview shows how black text looks on a background with the CIELCh color 68, 49.466, 258.055.

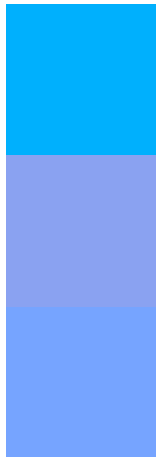


This preview shows how white text looks on a background with the CIELCh color 68, 49.466, 258.055.

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

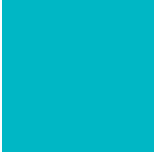
68, 49.491, 258.005

Protanopia

68, 43.790, 285.310

Deuteranopia

68, 50.892, 281.268



Tritanopia
68, 37.707, 208.609

Trichromacy



Original Color
68, 49.491, 258.005



Protanomaly
67, 46.120, 269.220



Deuteranomaly
67, 50.625, 269.816



Tritanomaly
68, 38.567, 229.512

Monochromacy



Original Color
68, 49.491, 258.005



Achromatopsia
55, 0.007, 296.813



Achromatomaly
58, 24.438, 239.074

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 49.466, 258.055 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, 176, 253)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 253)  
}
```

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, 176, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 49.466, 258.055 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, 176, 253) }
```

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

```
.border{ border-color:rgb(0, 176, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 176, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 253);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 49.466, 258.055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 253) }
```

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

```
.background{ background-color: rgb(0, 176,  
253) }
```

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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