

Converting Colors

CIELCh(69, 49.879, 258.206)

Have a look what the booklet for
CIELCh(69, 49.879, 258.206)
contains.

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Color

CIELCh(69, 49.498, 257.781)

Conversions

Conversions Part 1

Format	Color
Hex	0BB2FF
RGB	11, 178, 255
RGB Percent	4%, 70%, 100%
CMY	0.9562, 0.3002, 0.0000
CMYK	0.96, 0.30, 0.00, 0.00
HSL	199°, 100%, 52%
HSV	199°, 96%, 100%
XYZ	34.2787, 39.3444, 100.8081
YIQ	136.8450, -124.2490, -11.4570

Conversions

Conversions Part 2

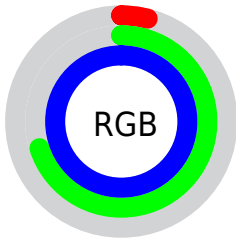
Format	Color
R _Y B	11, 110, 255
Decimal	766719
CIE Lab	69.00, -10.48, -48.38
CIE LCh	69, 49.498, 257.781
Yxy	39.3444, 0.1965, 0.2256
Android (android.graphics.Color)	4278956799 (0xFF0BB2FF)
YUV	136.8450, 58.2504, -110.3661
Hunter-Lab	62.7251, -12.2204, -51.3798

Details

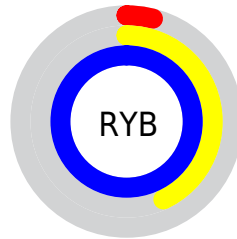
The CIELCh color **69, 49.498, 257.781** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **60, 91.508, 48.133**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 34.684, 216.087**, and **51, 45.471, 267.277** is the 20% darker color. If you saturate the color by 10%, you get **68, 50.627, 259.782**, and if you desaturate by 10%, it is **71, 46.296, 252.571**.

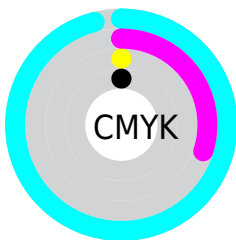
Distribution



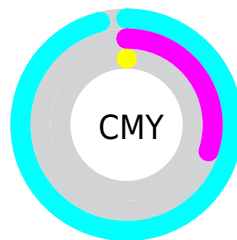
- Red (4%)
- Green (70%)
- Blue (100%)



- Red (4%)
- Yellow (43%)
- Blue (100%)



- Cyan (96%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)





- Cyan (96%)
- Magenta (30%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 49.498, 257.781 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 69, 49.498, 257.781 by changing the saturation by 10% instead.


 69, 49.498,
257.781

 69, 49.498,
257.781


 100, 49.498,
257.781


 59, 49.498,
257.781


 89, 49.498,
257.781

 49, 49.498,
257.781

 99, 49.498,
257.781

 39, 49.498,
257.781

 29, 49.498,
257.781

 19, 49.498,
257.781

 9, 49.498, 257.781

 0, 49.498, 257.781

■ 69, 49.498,
257.781

■ 69, 49.498,
257.781

■ 68, 50.627,
259.782

■ 71, 46.296,
252.571

■ 74, 42.955,
248.255

■ 77, 39.102,
244.635

■ 80, 34.641,
241.674

■ 83, 29.554,
239.291

■ 87, 23.878,
237.394

■ 90, 17.682,
235.895

■ 94, 11.047,

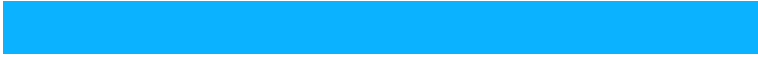
234.722

■ 98, 4.058, 233.872

Harmonies

Complementary

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



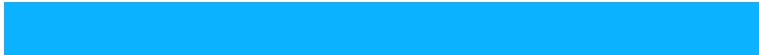
69, 49.498, 257.781



60, 91.508, 48.133

Rectangle

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



69, 49.498, 257.781



69, 49.498, 307.781



69, 49.498, 77.781



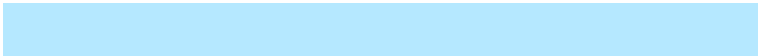
69, 49.498, 127.781

Sweetspot

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



69, 49.311, 257.527



89, 19.831, 236.363



88, 104.519, 141.564



46, 13.438, 237.009



0, 0.000, 0.000



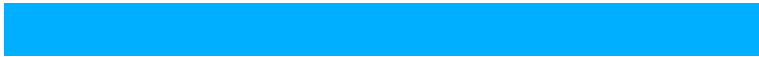
53, 0.007, 296.813

Same Dimension

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



69, 49.311, 257.527



68, 50.627, 259.782



39, 114.353, 301.882



51, 4.075, 234.153



52, 40.399, 258.807



16, 17.532, 251.676

Inverse Universe

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



57, 91.180, 345.451



56, 91.161, 346.398



85, 84.661, 88.225



50, 7.268, 335.486



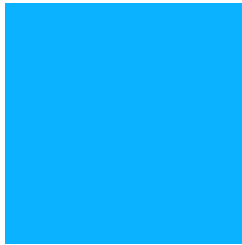
42, 73.670, 345.982



11, 34.725, 343.212

Previews

White Background



This preview shows how the CIE LCh color 69, 49.498, 257.781 looks on a white background.

Color Contrast Check

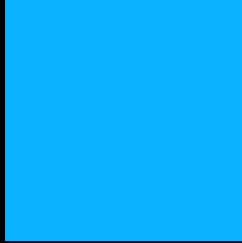
Large Text (above 18pt) WCAG AA × Fail

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 69, 49.498, 257.781 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

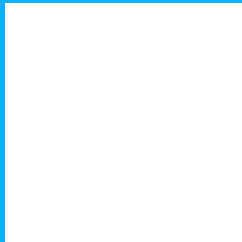
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 49.498, 257.781

Background



This preview shows how black text looks on a background with the CIELCh color 69, 49.498, 257.781.



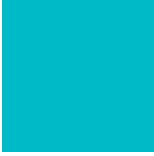
This preview shows how white text looks on a background with the CIELCh color 69, 49.498, 257.781.

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
69, 38.175, 208.421

Trichromacy



Original Color
69, 49.461, 257.855



Protanomaly
68, 45.811, 269.905



Deuteranomaly
68, 49.412, 269.388



Tritanomaly
69, 38.863, 229.122

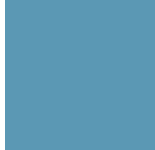
Monochromacy



Original Color
69, 49.461, 257.855



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 23.896, 240.000

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 49.498, 257.781 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(11, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(11, 178, 255)  
}
```

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(11, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 178, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 49.498, 257.781 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(11, 178, 255) }
```

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

```
.border{ border-color:rgb(11, 178, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(11, 178,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 49.498, 257.781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 178, 255) }
```

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

```
.background{ background-color: rgb(11, 178,  
255) }
```

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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