

Converting Colors

CIELCh(68, 48.800, 257.485)

Have a look what the booklet for
CIELCh(68, 48.800, 257.485)
contains.

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Color

CIELCh(68, 48.628, 257.150)

Conversions

Conversions Part 1

Format	Color
Hex	07B0FB
RGB	7, 176, 251
RGB Percent	3%, 69%, 98%
CMY	0.9734, 0.3105, 0.0165
CMYK	0.97, 0.30, 0.00, 0.02
HSL	198°, 97%, 51%
HSV	198°, 97%, 98%
XYZ	32.9528, 37.9720, 96.6910
YIQ	134.0190, -124.7990, -12.5030

Conversions

Conversions Part 2

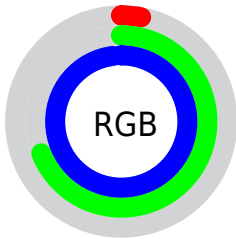
Format	Color
RYB	7, 107, 251
Decimal	504059
CIELab	68.00, -10.81, -47.41
CIELCh	68, 48.628, 257.150
Yxy	37.9720, 0.1966, 0.2265
Android (android.graphics.Color)	4278694139 (0xFF07B0FB)
YUV	134.0190, 57.6716, -111.3957
Hunter-Lab	61.6215, -12.3825, -49.8977

Details

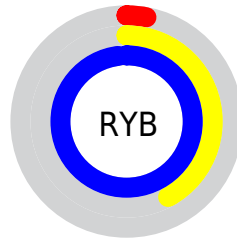
The CIELCh color **68, 48.628, 257.150** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **58, 91.766, 47.514**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 34.488, 219.110**, and **50, 44.498, 266.762** is the 20% darker color. If you saturate the color by 10%, you get **67, 49.400, 258.525**, and if you desaturate by 10%, it is **70, 45.814, 252.152**.

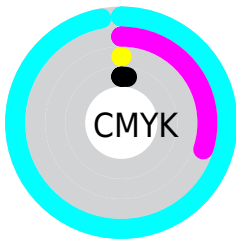
Distribution



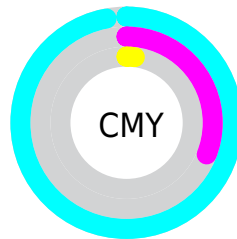
- Red (3%)
- Green (69%)
- Blue (98%)



- Red (3%)
- Yellow (42%)
- Blue (98%)



- Cyan (97%)
- Magenta (30%)
- Yellow (0%)
- Black (2%)





- Cyan (97%)
- Magenta (31%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 48.628, 257.150 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, 48.628, 257.150 by changing the saturation by 10% instead.


 68, 48.628,
257.150

 68, 48.628,
257.150


 100, 48.628,
257.150


 58, 48.628,
257.150


 88, 48.628,
257.150

 48, 48.628,
257.150

 98, 48.628,
257.150

 38, 48.628,
257.150

 28, 48.628,
257.150

 18, 48.628,
257.150

 8, 48.628, 257.150

 0, 48.628, 257.150

■ 68, 48.628,
257.150

■ 68, 48.628,
257.150

■ 67, 49.400,
258.525

■ 70, 45.814,
252.152

■ 73, 42.695,
247.773

■ 76, 39.072,
244.094

■ 79, 34.839,
241.082

■ 82, 29.970,
238.659

■ 85, 24.496,
236.732

■ 89, 18.484,
235.211

■ 92, 12.017,

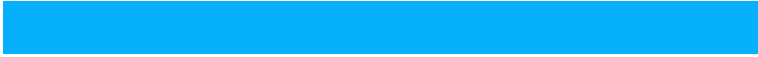
234.023

■ 96, 5.179, 233.139

Harmonies

Complementary

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



68, 48.628, 257.150



58, 91.766, 47.514

Rectangle

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



68, 48.628, 257.150



68, 48.628, 307.150



68, 48.628, 77.150



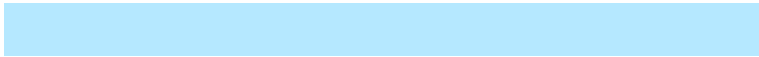
68, 48.628, 127.150

Sweetspot

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



68, 48.627, 257.151



89, 19.810, 235.449



87, 104.141, 141.253



46, 13.420, 236.080



0, 0.000, 0.000



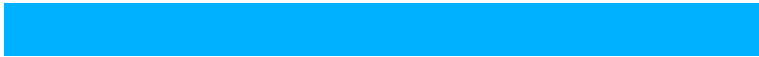
53, 0.007, 296.813

Same Dimension

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



68, 48.627, 257.151



68, 50.049, 258.575



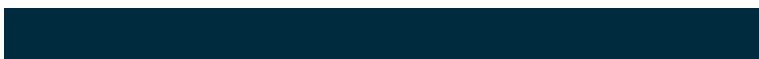
37, 114.633, 302.285



50, 4.008, 233.303



52, 39.539, 257.551



16, 16.890, 250.114

Inverse Universe

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



56, 90.405, 345.298



57, 91.538, 345.885



83, 83.831, 87.972



49, 7.182, 335.208



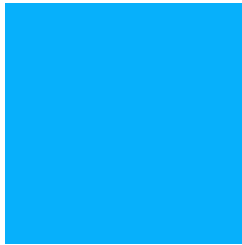
42, 73.251, 345.461



10, 33.991, 342.660

Previews

White Background



This preview shows how the CIE LCh color 68, 48.628, 257.150 looks on a white background.

Color Contrast Check

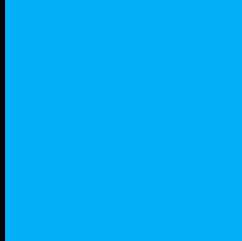
Large Text (above 18pt) WCAG AA × Fail

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, 48.628, 257.150 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

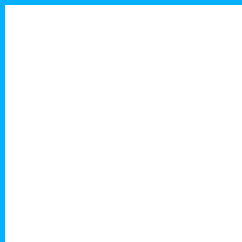
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 48.628, 257.150

Background



This preview shows how black text looks on a background with the CIELCh color 68, 48.628, 257.150.

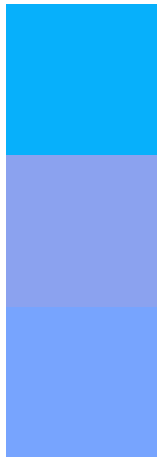


This preview shows how white text looks on a background with the CIELCh color 68, 48.628, 257.150.

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](#).

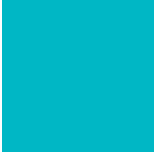
Dichromacy



Original Color
68, 48.641, 257.124

Protanopia
68, 42.686, 285.287

Deuteranopia
68, 50.330, 281.284



Tritanopia
68, 37.707, 208.609

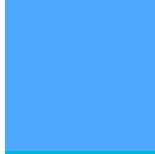
Trichromacy



Original Color
68, 48.641, 257.124



Protanomaly
67, 44.990, 269.023



Deuteranomaly
67, 50.004, 269.906



Tritanomaly
68, 38.519, 229.560

Monochromacy



Original Color
68, 48.641, 257.124



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 23.609, 238.939

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 48.628, 257.150 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(7, 176, 251)` looks like.

```
.text, #text, p{  
    color:rgb(7, 176, 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(7, 176, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 176, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 48.628, 257.150 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(7, 176, 251) }
```

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

```
.border{ border-color:rgb(7, 176, 251) }
```

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

Here you see how a box with a 4 pixel rgb(7, 176, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 176, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 176, 251);  
box-shadow:4px 4px 4px 4px rgb(7, 176,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 48.628, 257.150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 176, 251) }
```

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

```
.background{ background-color: rgb(7, 176,  
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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