

Converting Colors

CIELCh(66, 80.099, 263.300)

Have a look what the booklet for
CIELCh(66, 80.099, 263.300)
contains.

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Color

CIELCh(68, 50.960, 260.448)

Conversions

Conversions Part 1

Format	Color
Hex	07AFFF
RGB	7, 175, 255
RGB Percent	3%, 69%, 100%
CMY	0.9741, 0.3139, 0.0000
CMYK	0.97, 0.31, 0.00, 0.00
HSL	199°, 100%, 51%
HSV	199°, 97%, 100%
XYZ	33.6211, 37.9720, 101.0451
YIQ	133.8880, -125.8080, -10.7360

Conversions

Conversions Part 2

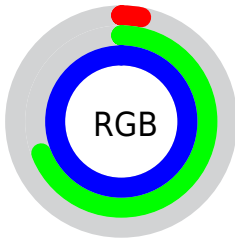
Format	Color
RYB	7, 107, 255
Decimal	503807
CIELab	68.00, -8.46, -50.25
CIELCh	68, 50.960, 260.448
Yxy	37.9720, 0.1947, 0.2200
Android (android.graphics.Color)	4278693887 (0xFF07AFFF)
YUV	133.8880, 59.7082, -111.2808
Hunter-Lab	61.6215, -10.4468, -54.0870

Details

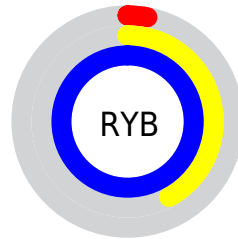
The CIELCh color **68, 50.960, 260.448** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **60, 92.309, 48.255**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 34.204, 220.307**, and **50, 46.847, 269.576** is the 20% darker color. If you saturate the color by 10%, you get **67, 51.381, 261.264**, and if you desaturate by 10%, it is **71, 47.383, 254.862**.

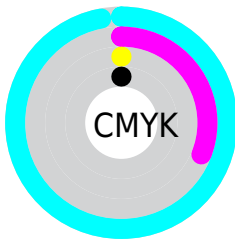
Distribution



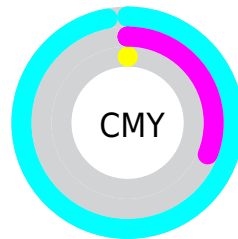
- Red (3%)
- Green (69%)
- Blue (100%)



- Red (3%)
- Yellow (42%)
- Blue (100%)



- Cyan (97%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (97%)
- Magenta (31%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 50.960, 260.448 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, 50.960, 260.448 by changing the saturation by 10% instead.

 68, 50.960,
260.448

 68, 50.960,
260.448

 100, 50.960,
260.448

 58, 50.960,
260.448

 88, 50.960,
260.448

 48, 50.960,
260.448

 98, 50.960,
260.448

 38, 50.960,
260.448

 28, 50.960,
260.448

 18, 50.960,
260.448

 8, 50.960, 260.448

 0, 50.960, 260.448

68, 50.960,
260.448

68, 50.960,
260.448

67, 51.381,
261.264

71, 47.383,
254.862

73, 43.970,
250.375

76, 40.102,
246.575

79, 35.663,
243.444

83, 30.619,
240.910

86, 24.996,
238.883

90, 18.854,
237.273

93, 12.273,

236.005

■ 97, 5.332, 235.047

Harmonies

Complementary

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



68, 50.960, 260.448



60, 92.309, 48.255

Rectangle

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



68, 50.960, 260.448



68, 50.960, 310.448



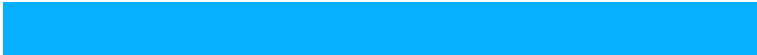
68, 50.960, 80.448



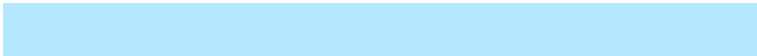
68, 50.960, 130.448

Sweetspot

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



68, 50.544, 259.937



89, 19.864, 237.505



88, 104.314, 141.737



46, 13.466, 238.170



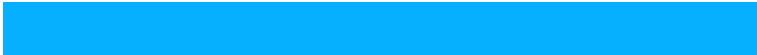
0, 0.000, 0.000



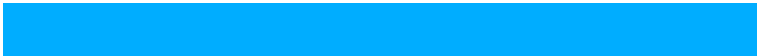
53, 0.007, 296.813

Same Dimension

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



68, 50.544, 259.937



67, 51.381, 261.264



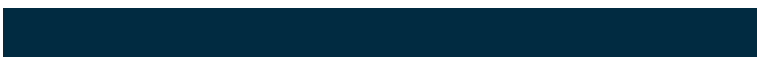
37, 118.374, 302.866



51, 4.076, 235.218



51, 40.979, 260.287



16, 17.715, 253.108

Inverse Universe

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



57, 90.707, 346.466



56, 90.700, 347.050



86, 85.597, 89.371



50, 7.225, 335.835



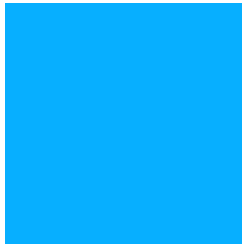
42, 73.298, 346.617



11, 34.557, 343.734

Previews

White Background



This preview shows how the CIE LCh color 68, 50.960, 260.448 looks on a white background.

Color Contrast Check

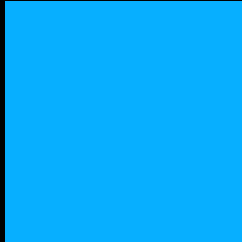
Large Text (above 18pt) WCAG AA × Fail

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, 50.960, 260.448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

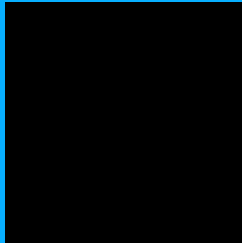
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

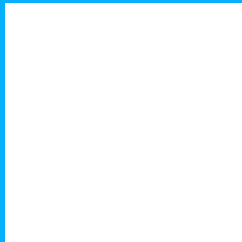
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 50.960, 260.448

Background



This preview shows how black text looks on a background with the CIELCh color 68, 50.960, 260.448.

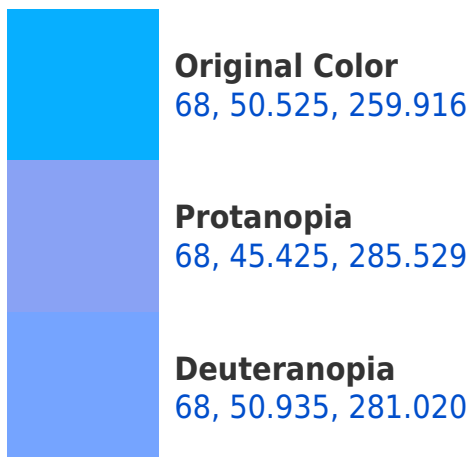


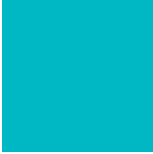
This preview shows how white text looks on a background with the CIELCh color 68, 50.960, 260.448.

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
68, 37.752, 207.712

Trichromacy



Original Color
68, 50.525, 259.916



Protanomaly
67, 47.413, 270.836



Deuteranomaly
67, 50.992, 270.510



Tritanomaly
68, 38.519, 229.560

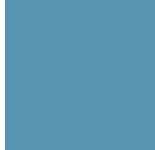
Monochromacy



Original Color
68, 50.525, 259.916



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 24.202, 241.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 50.960, 260.448 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, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(7, 175, 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(7, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 175, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 50.960, 260.448 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, 175, 255) }
```

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

```
.border{ border-color:rgb(7, 175, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(7, 175,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 50.960, 260.448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 175, 255) }
```

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

```
.background{ background-color: rgb(7, 175,  
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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