

Converting Colors

CIELCh(67, 49.022, 257.985)

Have a look what the booklet for
CIELCh(67, 49.022, 257.985)
contains.

CIELCh(67, 48.948, 258.119)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	26

Color

CIELCh(67, 48.948, 258.119)

Conversions

Conversions Part 1

Format	Color
Hex	00ADF9
RGB	0, 173, 249
RGB Percent	0%, 68%, 98%
CMY	1.0000, 0.3223, 0.0243
CMYK	1.00, 0.31, 0.00, 0.02
HSL	198°, 100%, 49%
HSV	198°, 100%, 98%
XYZ	31.9574, 36.6320, 94.8396
YIQ	129.9370, -127.5040, -13.0400

Conversions

Conversions Part 2

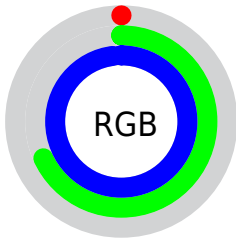
Format	Color
R _{YB}	0, 102, 249
Decimal	44537
CIE Lab	67.00, -10.08, -47.90
CIE LCh	67, 48.948, 258.119
Yxy	36.6320, 0.1955, 0.2241
Android (android.graphics.Color)	4278234617 (0xFF00ADF9)
YUV	129.9370, 58.6981, -113.9547
Hunter-Lab	60.5244, -11.6679, -50.5383

Details

The CIELCh color **67, 48.948, 258.119** 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 **57, 93.167, 47.075**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 34.557, 222.033**, and **49, 44.909, 268.108** is the 20% darker color. If you saturate the color by 10%, you get **67, 48.931, 258.151**, and if you desaturate by 10%, it is **69, 46.183, 253.092**.

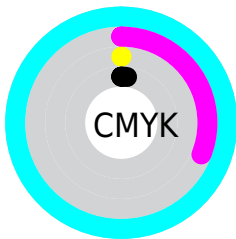
Distribution



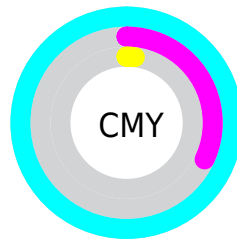
- Red (0%)
- Green (68%)
- Blue (98%)



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



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (2%)





- Cyan (100%)
- Magenta (32%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 48.948, 258.119 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 67, 48.948, 258.119 by changing the saturation by 10% instead.


 67, 48.948,
258.119


 67, 48.948,
258.119


 100, 48.948,
258.119


 57, 48.948,
258.119


 87, 48.948,
258.119

 47, 48.948,
258.119

 97, 48.948,
258.119

 37, 48.948,
258.119

 27, 48.948,
258.119

 17, 48.948,
258.119

 7, 48.948, 258.119

 0, 48.948, 258.119

■ 67, 48.948,
258.119

■ 67, 48.948,
258.119

■ 67, 48.931,
258.151

■ 69, 46.183,
253.092

■ 72, 43.223,
248.548

■ 75, 39.798,
244.697

■ 77, 35.781,
241.528

■ 81, 31.126,
238.971

■ 84, 25.855,
236.933

■ 87, 20.026,
235.323

■ 91, 13.718,

234.062

■ 94, 7.018, 233.099

Harmonies

Complementary

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



67, 48.948, 258.119



57, 93.167, 47.075

Rectangle

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



67, 48.948, 258.119



67, 48.948, 308.119



67, 48.948, 78.119



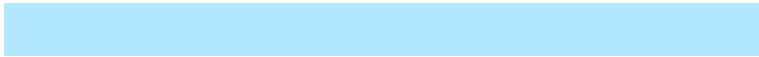
67, 48.948, 128.119

Sweetspot

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



67, 48.931, 258.151



89, 20.427, 235.328



86, 105.020, 140.759



46, 13.757, 235.962



0, 0.000, 0.000



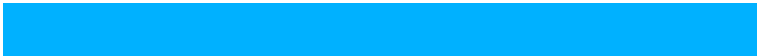
53, 0.007, 296.813

Same Dimension

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



67, 48.931, 258.151



69, 49.887, 258.225



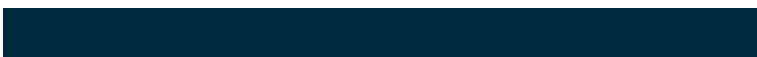
36, 116.671, 302.906



50, 4.008, 233.059



52, 39.417, 257.202



16, 16.854, 249.781

Inverse Universe

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



55, 89.975, 345.708



57, 91.647, 345.739



82, 83.734, 87.551



49, 7.192, 335.130



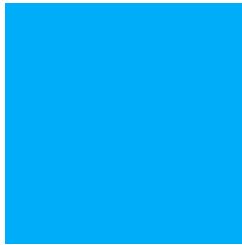
42, 73.338, 345.319



10, 34.029, 342.544

Previews

White Background



This preview shows how the CIELCh color 67, 48.948, 258.119 looks on a white background.

Color Contrast Check

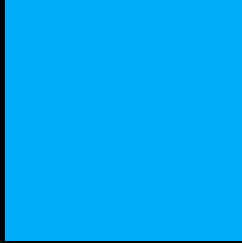
Large Text (above 18pt) WCAG AA × Fail

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 67, 48.948, 258.119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

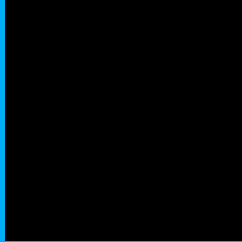
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

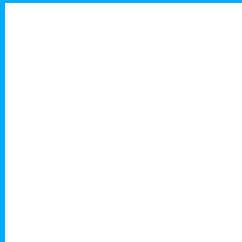
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 48.948, 258.119

Background



This preview shows how black text looks on a background with the CIELCh color 67, 48.948, 258.119.



This preview shows how white text looks on a background with the CIELCh color 67, 48.948, 258.119.

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



Trichromacy



Original Color
67, 48.948, 258.119

Protanomaly
66, 45.602, 269.489

Deuteranomaly
66, 49.689, 269.395

Monochromacy



Original Color
67, 48.948, 258.119

Achromatopsia
54, 0.007, 296.813

Achromatomaly
57, 23.974, 238.342

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 48.948, 258.119 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, 173, 249)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 249)  
}
```

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, 173, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 48.948, 258.119 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, 173, 249) }
```

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

```
.border{ border-color:rgb(0, 173, 249) }
```

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

Here you see how a box with a 4 pixel rgb(0, 173, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 249);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 48.948, 258.119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 249) }
```

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

```
.background{ background-color: rgb(0, 173,  
249) }
```

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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