

Converting Colors

CIELCh(67, 50.852, 261.363)

Have a look what the booklet for
CIELCh(67, 50.852, 261.363)
contains.

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Color

CIELCh(67, 50.731, 261.176)

Conversions

Conversions Part 1

Format	Color
Hex	0CACFD
RGB	12, 172, 253
RGB Percent	5%, 67%, 99%
CMY	0.9548, 0.3258, 0.0082
CMYK	0.95, 0.32, 0.00, 0.01
HSL	200°, 98%, 52%
HSV	200°, 95%, 99%
XYZ	32.5946, 36.6320, 98.2021
YIQ	133.3940, -121.3610, -8.7290

Conversions

Conversions Part 2

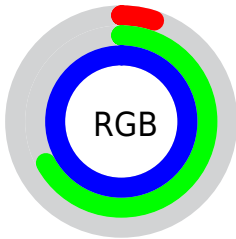
Format	Color
R _{YB}	12, 108, 253
Decimal	830717
CIE Lab	67.00, -7.78, -50.13
CIE LCh	67, 50.731, 261.176
Yxy	36.6320, 0.1947, 0.2188
Android (android.graphics.Color)	4279020797 (0xFF0CACFD)
YUV	133.3940, 58.9658, -106.4625
Hunter-Lab	60.5244, -9.7889, -53.8323

Details

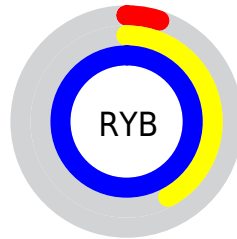
The CIELCh color **67, 50.731, 261.176** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **60, 89.742, 49.378**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 33.959, 223.557**, and **49, 47.308, 270.846** is the 20% darker color. If you saturate the color by 10%, you get **66, 52.312, 263.536**, and if you desaturate by 10%, it is **70, 47.286, 256.159**.

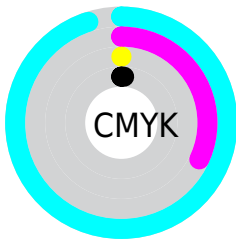
Distribution



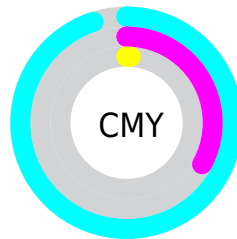
- Red (5%)
- Green (67%)
- Blue (99%)



- Red (5%)
- Yellow (42%)
- Blue (99%)



- Cyan (95%)
- Magenta (32%)
- Yellow (0%)
- Black (1%)





- Cyan (95%)
- Magenta (33%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 50.731, 261.176 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, 50.731, 261.176 by changing the saturation by 10% instead.


 67, 50.731,
261.176


 67, 50.731,
261.176


 100, 50.731,
261.176


 57, 50.731,
261.176


 87, 50.731,
261.176

 47, 50.731,
261.176

 97, 50.731,
261.176

 37, 50.731,
261.176

 27, 50.731,
261.176

 17, 50.731,
261.176

 7, 50.731, 261.176

 0, 50.731, 261.176

67, 50.731,
261.176

67, 50.731,
261.176

66, 52.312,
263.536

70, 47.286,
256.159

73, 43.588,
251.740

76, 39.455,
247.999

79, 34.783,
244.912

82, 29.548,
242.408

86, 23.777,
240.397

89, 17.530,
238.793

93, 10.883,

237.524

■ 97, 3.912, 236.588

Harmonies

Complementary

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



67, 50.731, 261.176



60, 89.742, 49.378

Rectangle

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



67, 50.731, 261.176



67, 50.731, 311.176



67, 50.731, 81.176



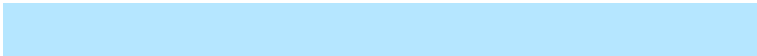
67, 50.731, 131.176

Sweetspot

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



67, 50.730, 261.177



89, 19.934, 239.324



88, 101.187, 142.699



46, 13.521, 240.018



0, 0.000, 0.000



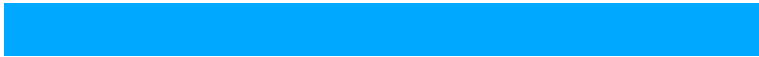
53, 0.007, 296.813

Same Dimension

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



67, 50.730, 261.177



66, 52.654, 263.560



37, 117.527, 302.905



51, 4.081, 236.917



51, 41.960, 262.581



16, 18.029, 255.348

Inverse Universe

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



56, 89.445, 347.014



56, 89.992, 348.111



86, 85.527, 91.037



50, 7.156, 336.403



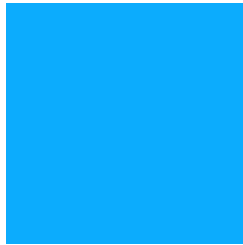
42, 72.726, 347.651



11, 34.294, 344.583

Previews

White Background



This preview shows how the CIELCh color 67, 50.731, 261.176 looks on a white background.

Color Contrast Check

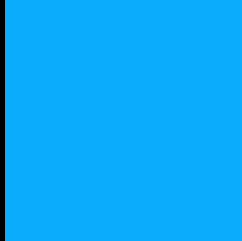
Large Text (above 18pt) WCAG AA × Fail

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, 50.731, 261.176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

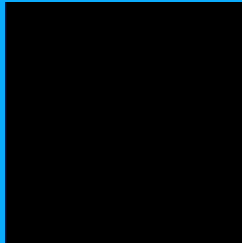
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

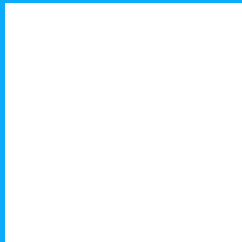
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 50.731, 261.176

Background



This preview shows how black text looks on a background with the CIELCh color 67, 50.731, 261.176.



This preview shows how white text looks on a background with the CIELCh color 67, 50.731, 261.176.

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



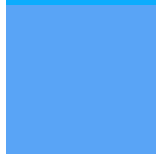


Tritanopia
67, 37.282, 207.892

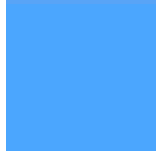
Trichromacy



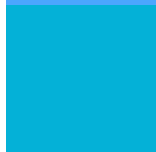
Original Color
67, 50.731, 261.176



Protanomaly
66, 47.864, 271.887

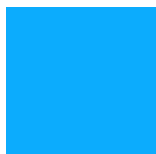


Deuteranomaly
66, 51.515, 271.087



Tritanomaly
67, 38.242, 230.971

Monochromacy



Original Color
67, 50.731, 261.176



Achromatopsia
56, 0.007, 296.813



Achromatomaly
58, 24.002, 243.934

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 50.731, 261.176 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(12, 172, 253)` looks like.

```
.text, #text, p{  
    color:rgb(12, 172, 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(12, 172, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 172, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 50.731, 261.176 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(12, 172, 253) }
```

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

```
.border{ border-color:rgb(12, 172, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 172, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 172, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 172, 253);  
box-shadow:4px 4px 4px 4px rgb(12, 172,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 50.731, 261.176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 172, 253) }
```

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

```
.background{ background-color: rgb(12, 172,  
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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