

Converting Colors

CIELCh(67, 52.200, 262.768)

Have a look what the booklet for
CIELCh(67, 52.200, 262.768)
contains.

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Color

CIELCh(67, 51.992, 262.662)

Conversions

Conversions Part 1

Format	Color
Hex	0AACFF
RGB	10, 172, 255
RGB Percent	4%, 67%, 100%
CMY	0.9626, 0.3274, 0.0000
CMYK	0.96, 0.33, 0.00, 0.00
HSL	200°, 100%, 52%
HSV	200°, 96%, 100%
XYZ	32.9146, 36.6320, 100.4072
YIQ	133.0240, -123.1950, -8.5310

Conversions

Conversions Part 2

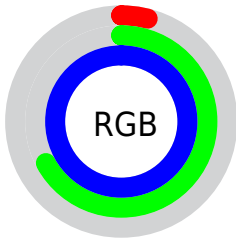
Format	Color
R _Y B	10, 108, 255
Decimal	699647
CIE Lab	67.00, -6.64, -51.57
CIE LCh	67, 51.992, 262.662
Yxy	36.6320, 0.1937, 0.2155
Android (android.graphics.Color)	4278889727 (0xFF0AACFF)
YUV	133.0240, 60.1342, -107.8920
Hunter-Lab	60.5244, -8.8452, -55.9924

Details

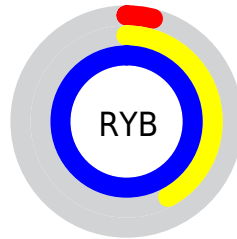
The CIELCh color **67, 51.992, 262.662** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **61, 90.652, 49.469**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 33.959, 223.557**, and **49, 48.292, 271.763** is the 20% darker color. If you saturate the color by 10%, you get **66, 53.116, 264.337**, and if you desaturate by 10%, it is **70, 48.206, 257.334**.

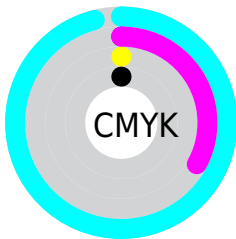
Distribution



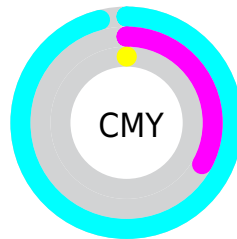
- Red (4%)
- Green (67%)
- Blue (100%)



- Red (4%)
- Yellow (42%)
- Blue (100%)



- Cyan (96%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (96%)
- Magenta (33%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 51.992, 262.662 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, 51.992, 262.662 by changing the saturation by 10% instead.


 67, 51.992,
262.662


 67, 51.992,
262.662


 100, 51.992,
262.662

 57, 51.992,
262.662

 87, 51.992,
262.662

 47, 51.992,
262.662

 97, 51.992,
262.662

 37, 51.992,
262.662

 27, 51.992,
262.662

 17, 51.992,
262.662

 7, 51.992, 262.662

 0, 51.992, 262.662

■ 67, 51.992,
262.662

■ 67, 51.992,
262.662

■ 66, 53.116,
264.337

■ 70, 48.206,
257.334

■ 73, 44.431,
252.838

■ 76, 40.244,
249.013

■ 79, 35.535,
245.846

■ 82, 30.271,
243.269

■ 86, 24.475,
241.195

■ 90, 18.203,
239.537

■ 94, 11.528,

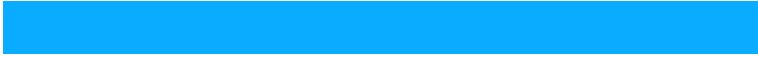
238.221

■ 98, 4.526, 237.229

Harmonies

Complementary

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



67, 51.992, 262.662



61, 90.652, 49.469

Rectangle

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



67, 51.992, 262.662



67, 51.992, 312.662



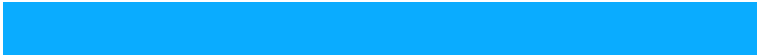
67, 51.992, 82.662



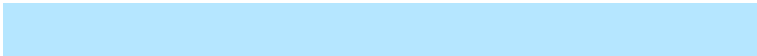
67, 51.992, 132.662

Sweetspot

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



67, 51.763, 262.408



89, 19.962, 239.954



88, 102.337, 142.520



46, 13.544, 240.658



0, 0.000, 0.000



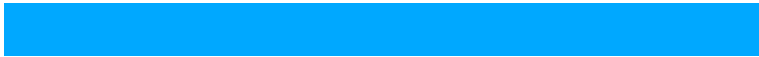
53, 0.007, 296.813

Same Dimension

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



67, 51.763, 262.408



66, 53.116, 264.337



37, 119.170, 303.103



51, 4.084, 237.507



50, 42.316, 263.358



16, 18.144, 256.112

Inverse Universe

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



57, 89.764, 347.574



56, 89.754, 348.486



87, 86.183, 90.924



50, 7.133, 336.603



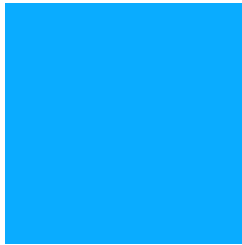
42, 72.533, 348.015



11, 34.205, 344.883

Previews

White Background



This preview shows how the CIE LCh color 67, 51.992, 262.662 looks on a white background.

Color Contrast Check

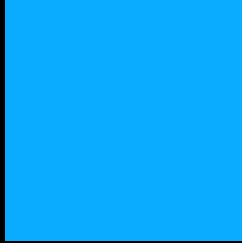
Large Text (above 18pt) WCAG AA × Fail

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, 51.992, 262.662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

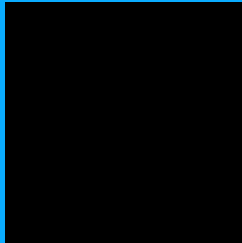
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

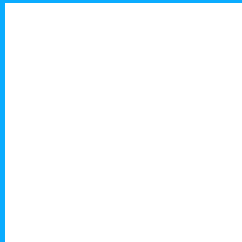
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 51.992, 262.662

Background



This preview shows how black text looks on a background with the CIELCh color 67, 51.992, 262.662.

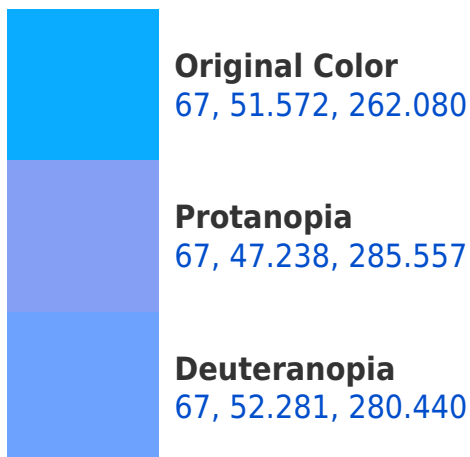


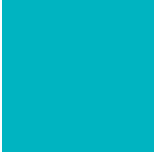
This preview shows how white text looks on a background with the CIELCh color 67, 51.992, 262.662.

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, 51.572, 262.080

Protanomaly
66, 48.940, 272.230

Deuteranomaly
66, 52.537, 271.771

Tritanomaly
67, 38.436, 231.800

Monochromacy



Original Color
67, 51.572, 262.080

Achromatopsia
56, 0.007, 296.813

Achromatomaly
58, 24.175, 243.507

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 51.992, 262.662 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(10, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(10, 172, 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(10, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 172, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 51.992, 262.662 is called "border". The border property can be set on classes, ids or directly on the HTML element.

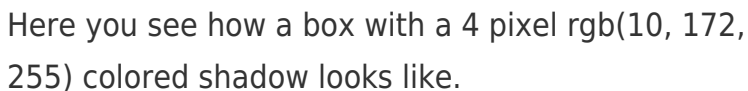
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(10, 172, 255) }
```

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

```
.border{ border-color:rgb(10, 172, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(10, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(10, 172,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 51.992, 262.662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 172, 255) }
```

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

```
.background{ background-color: rgb(10, 172,  
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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