

Converting Colors

CIELCh(67, 41.974, 244.985)

Have a look what the booklet for
CIELCh(67, 41.974, 244.985)
contains.

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Color

CIELCh(67, 42.139, 245.591)

Conversions

Conversions Part 1

Format	Color
Hex	09AFE7
RGB	9, 175, 231
RGB Percent	4%, 69%, 91%
CMY	0.9646, 0.3125, 0.0928
CMYK	0.96, 0.24, 0.00, 0.09
HSL	195°, 92%, 47%
HSV	195°, 96%, 91%
XYZ	29.9768, 36.6320, 81.3444
YIQ	131.7500, -116.9120, -17.7760

Conversions

Conversions Part 2

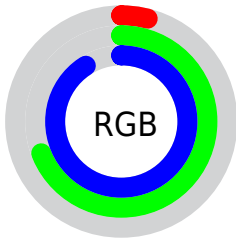
Format	Color
R _Y B	9, 104, 231
Decimal	634855
CIE Lab	67.00, -17.41, -38.37
CIE LCh	67, 42.139, 245.591
Yxy	36.6320, 0.2026, 0.2476
Android (android.graphics.Color)	4278824935 (0xFF09AFE7)
YUV	131.7500, 48.9303, -107.6518
Hunter-Lab	60.5244, -17.5092, -37.3184

Details

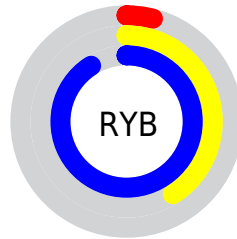
The CIELCh color **67, 42.139, 245.591** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **53, 87.778, 45.140**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 35.195, 218.615**, and **49, 36.691, 255.362** is the 20% darker color. If you saturate the color by 10%, you get **66, 42.775, 247.400**, and if you desaturate by 10%, it is **69, 40.402, 241.181**.

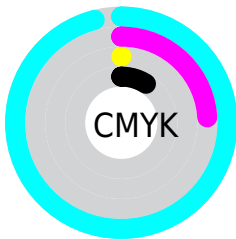
Distribution



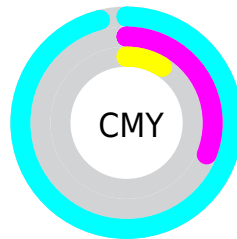
- Red (4%)
- Green (69%)
- Blue (91%)



- Red (4%)
- Yellow (41%)
- Blue (91%)



- Cyan (96%)
- Magenta (24%)
- Yellow (0%)
- Black (9%)





- Cyan (96%)
- Magenta (31%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 42.139, 245.591 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, 42.139, 245.591 by changing the saturation by 10% instead.


 67, 42.139,
245.591


 67, 42.139,
245.591


 100, 42.139,
245.591


 57, 42.139,
245.591


 87, 42.139,
245.591

 47, 42.139,
245.591

 97, 42.139,
245.591

 37, 42.139,
245.591

 27, 42.139,
245.591

 17, 42.139,
245.591

 7, 42.139, 245.591

 0, 42.139, 245.591

67, 42.139,
245.591

67, 42.139,
245.591

66, 42.775,
247.400

69, 40.402,
241.181

71, 38.156,
237.464

73, 35.247,
234.431

76, 31.612,
232.011

78, 27.258,
230.111

81, 22.244,
228.639

84, 16.652,
227.513

87, 10.575,

226.670

 90, 4.106, 226.108

Harmonies

Complementary

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



67, 42.139, 245.591



53, 87.778, 45.140

Rectangle

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



67, 42.139, 245.591



67, 42.139, 295.591



67, 42.139, 65.591



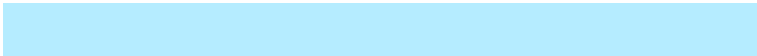
67, 42.139, 115.591

Sweetspot

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



67, 42.138, 245.592



90, 19.824, 227.824



81, 100.407, 140.117



47, 13.400, 228.309



0, 0.000, 0.000



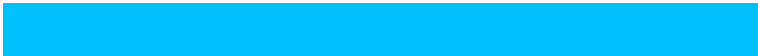
53, 0.007, 296.813

Same Dimension

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



67, 42.138, 245.592



72, 46.118, 247.680



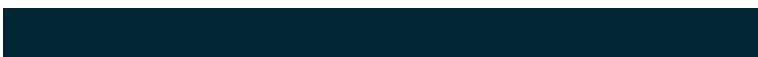
37, 99.872, 299.946



47, 3.769, 226.255



52, 35.060, 246.525



13, 14.210, 238.311

Inverse Universe

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



52, 88.226, 341.140



57, 94.991, 341.831



75, 77.068, 83.849



45, 6.967, 333.001



40, 72.968, 341.450



8, 31.454, 338.936

Previews

White Background



This preview shows how the CIE LCh color 67, 42.139, 245.591 looks on a white background.

Color Contrast Check

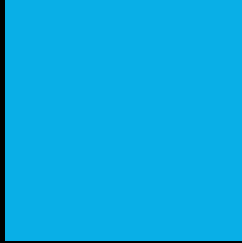
Large Text (above 18pt) WCAG AA × Fail

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, 42.139, 245.591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

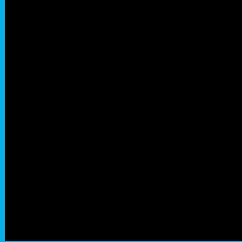
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 42.139, 245.591

Background



This preview shows how black text looks on a background with the CIELCh color 67, 42.139, 245.591.

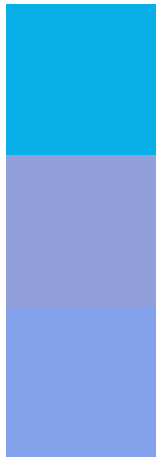


This preview shows how white text looks on a background with the CIELCh color 67, 42.139, 245.591.

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

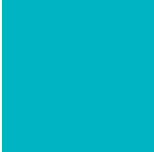
67, 42.103, 245.647

Protanopia

67, 32.806, 285.196

Deuteranopia

67, 41.367, 282.484



Tritanopia
67, 37.239, 208.804

Trichromacy



Original Color
67, 42.103, 245.647



Protanomaly
66, 35.939, 261.000



Deuteranomaly
66, 41.561, 264.723



Tritanomaly
67, 37.335, 223.731

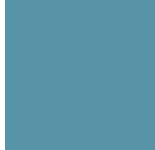
Monochromacy



Original Color
67, 42.103, 245.647



Achromatopsia
55, 0.007, 296.813



Achromatomaly
58, 21.871, 229.538

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 42.139, 245.591 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(9, 175, 231)` looks like.

```
.text, #text, p{  
    color:rgb(9, 175, 231)  
}
```

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(9, 175, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 175, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 42.139, 245.591 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(9, 175, 231) }
```

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

```
.border{ border-color:rgb(9, 175, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 175, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 175, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 175, 231);  
box-shadow:4px 4px 4px 4px rgb(9, 175,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 42.139, 245.591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 175, 231) }
```

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

```
.background{ background-color: rgb(9, 175,  
231) }
```

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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