

Converting Colors

CIELCh(84, 44.974, 209.116)

Have a look what the booklet for
CIELCh(84, 44.974, 209.116)
contains.

CIELCh(84, 44.871, 209.035)	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>	27

Color

CIELCh(84, 44.871, 209.035)

Conversions

Conversions Part 1

Format	Color
Hex	01E7F9
RGB	1, 231, 249
RGB Percent	0%, 91%, 98%
CMY	0.9967, 0.0937, 0.0231
CMYK	1.00, 0.07, 0.00, 0.02
HSL	184°, 99%, 49%
HSV	184°, 100%, 98%
XYZ	45.7331, 64.0658, 99.6694
YIQ	164.2820, -142.8580, -43.1620

Conversions

Conversions Part 2

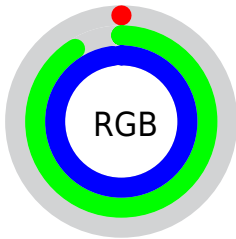
Format	Color
R_{YB}	1, 120, 249
Decimal	124921
CIE _{Lab}	84.00, -39.23, -21.78
CIE _{LCh}	84, 44.871, 209.035
Yxy	64.0658, 0.2183, 0.3058
Android (android.graphics.Color)	4278315001 (0xFF01E7F9)
YUV	164.2820, 41.7660, -143.1983
Hunter-Lab	80.0411, -38.0823, -17.8008

Details

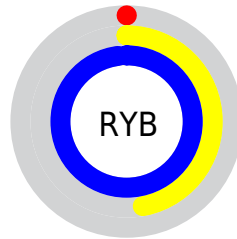
The CIELCh color **84, 44.871, 209.035** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light saturated cyan. A complement of this color would be **53, 101.586, 40.521**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.067, 197.028**, and **65, 36.380, 212.903** is the 20% darker color. If you saturate the color by 10%, you get **84, 44.877, 209.076**, and if you desaturate by 10%, it is **85, 44.524, 207.857**.

Distribution



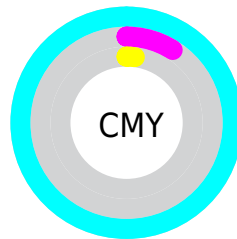
- Red (0%)
- Green (91%)
- Blue (98%)



- Red (0%)
- Yellow (47%)
- Blue (98%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 44.871, 209.035 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 84, 44.871, 209.035 by changing the saturation by 10% instead.

 84, 44.871,
209.035

 84, 44.871,
209.035


 100, 44.871,
209.035

 74, 44.871,
209.035

 64, 44.871,
209.035

 54, 44.871,
209.035

 44, 44.871,
209.035

 34, 44.871,
209.035

 24, 44.871,
209.035

 14, 44.871,

209.035

■ 4, 44.871, 209.035

■ 0, 44.871, 209.035

■ 84, 44.871,
209.035

■ 84, 44.871,
209.035

■ 84, 44.877,
209.076

■ 85, 44.524,
207.857

■ 85, 43.345,
206.914

■ 86, 41.141,
206.211

■ 87, 37.862,
205.726

■ 89, 33.531,

205.434

■ 90, 28.227,
205.307

■ 92, 22.061,
205.320

■ 94, 15.166,
205.455

■ 96, 7.678, 205.710

Harmonies

Complementary

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



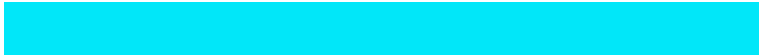
84, 44.871, 209.035



53, 101.586, 40.521

Rectangle

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



84, 44.871, 209.035



84, 44.871, 259.035



84, 44.871, 29.035



84, 44.871, 79.035

Sweetspot

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



84, 44.870, 209.034



94, 22.706, 205.317



86, 116.452, 136.431



49, 15.218, 205.298



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 44.870, 209.034



86, 45.674, 209.093



49, 82.067, 290.620



51, 4.531, 205.716



65, 36.471, 208.841



21, 16.660, 207.129

Inverse Universe

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



58, 107.112, 331.396



59, 109.055, 331.412



69, 81.941, 65.727



49, 8.478, 326.975



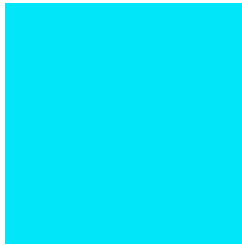
44, 87.054, 331.350



11, 39.671, 330.929

Previews

White Background



This preview shows how the CIE LCh color 84, 44.871, 209.035 looks on a white background.

Color Contrast Check

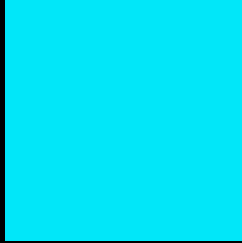
Large Text (above 18pt) WCAG AA × Fail

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 84, 44.871, 209.035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

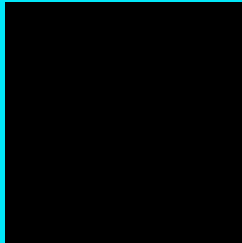
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 44.871, 209.035

Background



This preview shows how black text looks on a background with the CIELCh color 84, 44.871, 209.035.

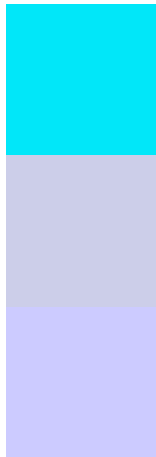


This preview shows how white text looks on a background with the CIELCh color 84, 44.871, 209.035.

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

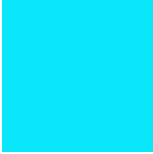
84, 44.850, 209.042

Protanopia

83, 14.277, 288.654

Deuteranopia

83, 27.525, 293.192

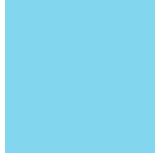


Tritanopia
84, 44.628, 209.834

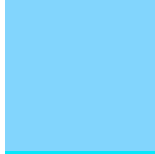
Trichromacy



Original Color
84, 44.850, 209.042



Protanomaly
82, 27.845, 225.336



Deuteranomaly
82, 31.109, 241.621

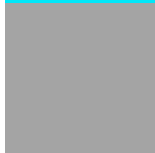


Tritanomaly
84, 44.691, 209.811

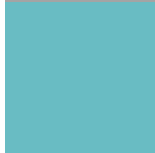
Monochromacy



Original Color
84, 44.850, 209.042



Achromatopsia
67, 0.008, 296.813



Achromatomaly
71, 26.014, 205.999

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 44.871, 209.035 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(1, 231, 249)` looks like.

```
.text, #text, p{  
    color:rgb(1, 231, 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(1, 231, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 231, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 44.871, 209.035 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(1, 231, 249) }
```

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

```
.border{ border-color:rgb(1, 231, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 231, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 231, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 231, 249);  
box-shadow:4px 4px 4px 4px rgb(1, 231,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 44.871, 209.035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 231, 249) }
```

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

```
.background{ background-color: rgb(1, 231,  
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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