

Converting Colors

CIELCh(83, 44.601, 208.871)

Have a look what the booklet for
CIELCh(83, 44.601, 208.871)
contains.

CIELCh(83, 44.423, 209.197)	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(83, 44.423, 209.197)

Conversions

Conversions Part 1

Format	Color
Hex	00E4F6
RGB	0, 228, 246
RGB Percent	0%, 89%, 96%
CMY	0.9988, 0.1057, 0.0352
CMYK	1.00, 0.07, 0.00, 0.04
HSL	184°, 100%, 48%
HSV	184°, 100%, 96%
XYZ	44.3956, 62.1629, 96.8753
YIQ	161.8800, -141.6660, -42.7380

Conversions

Conversions Part 2

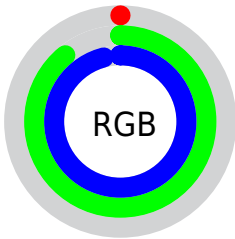
Format	Color
RYB	0, 118, 246
Decimal	58614
CIELab	83.00, -38.78, -21.67
CIELCh	83, 44.423, 209.197
Yxy	62.1629, 0.2182, 0.3056
Android (android.graphics.Color)	4278248694 (0xFF00E4F6)
YUV	161.8800, 41.4712, -141.9688
Hunter-Lab	78.8435, -37.4655, -17.6594

Details

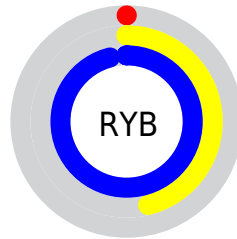
The CIELCh color **83, 44.423, 209.197** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light saturated cyan. A complement of this color would be **52, 100.731, 40.574**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.257, 197.016**, and **64, 35.917, 213.177** is the 20% darker color. If you saturate the color by 10%, you get **83, 44.425, 209.212**, and if you desaturate by 10%, it is **84, 44.085, 208.004**.

Distribution



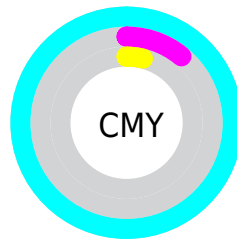
- Red (0%)
- Green (89%)
- Blue (96%)



- Red (0%)
- Yellow (46%)
- Blue (96%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)




- Cyan (100%)
- Magenta (11%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 44.423, 209.197 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 83, 44.423, 209.197 by changing the saturation by 10% instead.


 83, 44.423,
209.197

 83, 44.423,
209.197

 100, 44.423,
209.197

 73, 44.423,
209.197

 63, 44.423,
209.197

 53, 44.423,
209.197

 43, 44.423,
209.197

 33, 44.423,
209.197

 23, 44.423,
209.197

 13, 44.423,

209.197

■ 3, 44.423, 209.197

■ 0, 44.423, 209.197

■ 83, 44.423,
209.197

■ 83, 44.423,
209.197

■ 83, 44.425,
209.212

■ 84, 44.085,
208.004

■ 84, 42.935,
207.045

■ 85, 40.772,
206.328

■ 86, 37.547,
205.833

■ 88, 33.281,

205.530

■ 89, 28.050,
205.395

■ 91, 21.966,
205.401

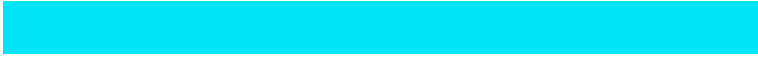
■ 93, 15.158,
205.529

■ 95, 7.760, 205.778

Harmonies

Complementary

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



83, 44.423, 209.197



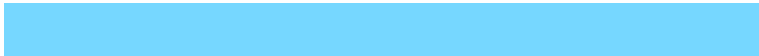
52, 100.731, 40.574

Rectangle

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



83, 44.423, 209.197



83, 44.423, 259.197



83, 44.423, 29.197



83, 44.423, 79.197

Sweetspot

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



83, 44.422, 209.196



94, 22.690, 205.400



85, 115.402, 136.426



49, 15.208, 205.382



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 44.422, 209.196



86, 45.639, 209.238



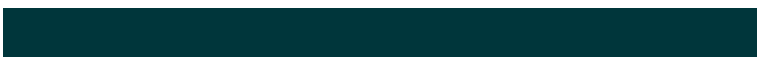
48, 81.429, 290.675



50, 4.452, 205.791



64, 36.078, 208.970



20, 16.204, 207.155

Inverse Universe

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



57, 106.072, 331.436



59, 108.989, 331.447



68, 81.250, 65.692



48, 8.331, 326.996



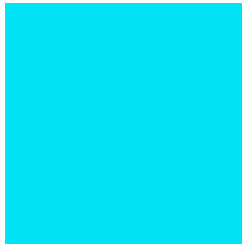
43, 86.131, 331.381



10, 38.587, 330.936

Previews

White Background



This preview shows how the CIE LCh color 83, 44.423, 209.197 looks on a white background.

Color Contrast Check

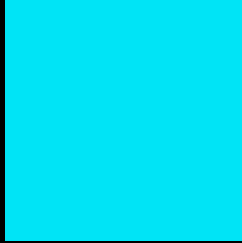
Large Text (above 18pt) WCAG AA × Fail

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 83, 44.423, 209.197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

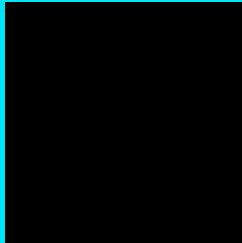
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 44.423, 209.197

Background



This preview shows how black text looks on a background with the CIELCh color 83, 44.423, 209.197.

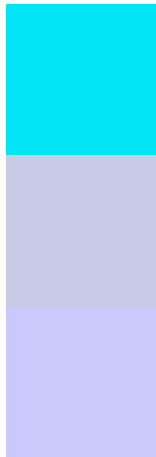


This preview shows how white text looks on a background with the CIELCh color 83, 44.423, 209.197.

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

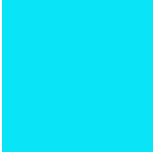
83, 44.423, 209.197

Protanopia

82, 14.316, 288.673

Deuteranopia

82, 27.040, 292.493

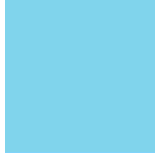


Tritanopia
83, 44.199, 210.000

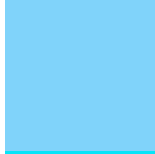
Trichromacy



Original Color
83, 44.423, 209.197



Protanomaly
81, 27.627, 225.654



Deuteranomaly
81, 30.827, 240.836

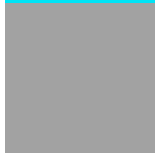


Tritanomaly
83, 44.263, 209.976

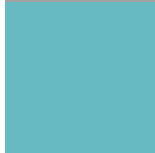
Monochromacy



Original Color
83, 44.423, 209.197



Achromatopsia
67, 0.008, 296.813



Achromatomaly
71, 26.003, 206.007

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 44.423, 209.197 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, 228, 246)` looks like.

```
.text, #text, p{  
    color:rgb(0, 228, 246)  
}
```

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, 228, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 228, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 44.423, 209.197 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, 228, 246) }
```

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

```
.border{ border-color:rgb(0, 228, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 228, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 228, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 228, 246);  
box-shadow:4px 4px 4px 4px rgb(0, 228,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 44.423, 209.197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 228, 246) }
```

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

```
.background{ background-color: rgb(0, 228,  
246) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor