

Converting Colors

CIELCh(83, 44.360, 215.940)

Have a look what the booklet for
CIELCh(83, 44.360, 215.940)
contains.

CIELCh(83, 44.235, 215.892)	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, 44.235, 215.892)

Conversions

Conversions Part 1

Format	Color
Hex	01E3FE
RGB	1, 227, 254
RGB Percent	0%, 89%, 100%
CMY	0.9967, 0.1094, 0.0035
CMYK	1.00, 0.11, 0.00, 0.00
HSL	186°, 99%, 50%
HSV	186°, 100%, 100%
XYZ	45.4137, 62.1629, 103.4599
YIQ	162.5040, -143.3630, -39.5150

Conversions

Conversions Part 2

Format	Color
RYB	1, 120, 254
Decimal	123902
CIELab	83.00, -35.84, -25.93
CIELCh	83, 44.235, 215.892
Yxy	62.1629, 0.2152, 0.2946
Android (android.graphics.Color)	4278313982 (0xFF01E3FE)
YUV	162.5040, 45.1075, -141.6390
Hunter-Lab	78.8435, -35.1605, -22.6110

Details

The CIELCh color **83, 44.235, 215.892** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light saturated cyan. A complement of this color would be **54, 102.426, 40.966**, 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 **64, 36.068, 220.928** is the 20% darker color. If you saturate the color by 10%, you get **83, 44.240, 215.956**, and if you desaturate by 10%, it is **84, 43.897, 214.004**.

Distribution



- Red (0%)
- Green (89%)
- Blue (100%)



- Red (0%)
- Yellow (47%)
- Blue (100%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 44.235, 215.892 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, 44.235, 215.892 by changing the saturation by 10% instead.


 83, 44.235,
215.892


 83, 44.235,
215.892


 100, 44.235,
215.892

 73, 44.235,
215.892

 63, 44.235,
215.892

 53, 44.235,
215.892

 43, 44.235,
215.892

 33, 44.235,
215.892

 23, 44.235,
215.892

 13, 44.235,

215.892

■ 3, 44.235, 215.892

■ 0, 44.235, 215.892

■ 83, 44.235,
215.892

■ 83, 44.235,
215.892

■ 83, 44.240,
215.956

■ 84, 43.897,
214.004

■ 85, 42.746,
212.463

■ 86, 40.582,
211.273

■ 88, 37.352,
210.393

■ 89, 33.080,

209.779

■ 91, 27.846,
209.386

■ 93, 21.764,
209.179

■ 95, 14.964,
209.127

■ 97, 7.579, 209.222

Harmonies

Complementary

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



83, 44.235, 215.892



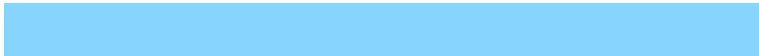
54, 102.426, 40.966

Rectangle

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



83, 44.235, 215.892



83, 44.235, 265.892



83, 44.235, 35.892



83, 44.235, 85.892

Sweetspot

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



83, 44.234, 215.891



93, 22.040, 209.184



88, 117.351, 136.734



49, 14.773, 209.253



0, 0.000, 0.000



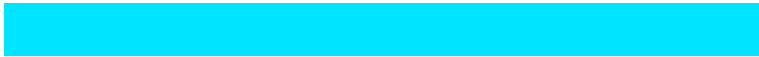
53, 0.007, 296.813

Same Dimension

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



83, 44.234, 215.891



83, 44.358, 215.960



48, 88.677, 293.104



52, 4.471, 209.225



64, 35.772, 215.581



21, 16.617, 212.996

Inverse Universe

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



59, 105.815, 333.076



59, 106.123, 333.095



72, 82.580, 68.763



50, 8.418, 328.005



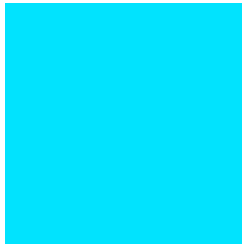
44, 85.600, 333.002



12, 39.778, 332.368

Previews

White Background



This preview shows how the CIE LCh color 83, 44.235, 215.892 looks on a white background.

Color Contrast Check

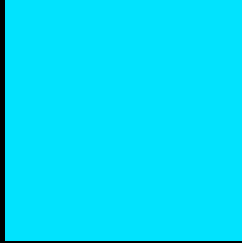
Large Text (above 18pt) WCAG AA × Fail

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, 44.235, 215.892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

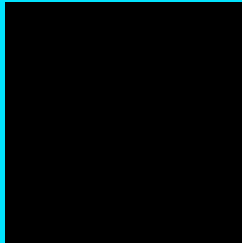
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 44.235, 215.892

Background



This preview shows how black text looks on a background with the CIELCh color 83, 44.235, 215.892.

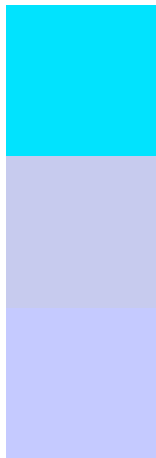


This preview shows how white text looks on a background with the CIELCh color 83, 44.235, 215.892.

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

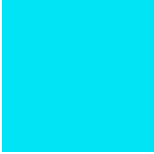
83, 44.215, 215.902

Protanopia

82, 18.568, 287.624

Deuteranopia

83, 28.089, 289.285

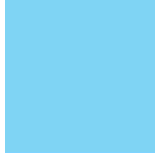


Tritanopia
83, 44.423, 209.197

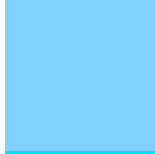
Trichromacy



Original Color
83, 44.215, 215.902



Protanomaly
81, 29.390, 233.704



Deuteranomaly
81, 32.635, 244.454

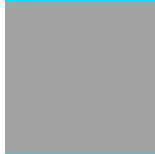


Tritanomaly
83, 44.350, 211.398

Monochromacy



Original Color
83, 44.215, 215.902



Achromatopsia
67, 0.008, 296.813



Achromatomaly
71, 25.767, 209.889

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 44.235, 215.892 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, 227, 254)` looks like.

```
.text, #text, p{  
    color:rgb(1, 227, 254)  
}
```

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, 227, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 227, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 44.235, 215.892 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, 227, 254) }
```

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

```
.border{ border-color:rgb(1, 227, 254) }
```

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

Here you see how a box with a 4 pixel rgb(1, 227, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 227, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 227, 254);  
box-shadow:4px 4px 4px 4px rgb(1, 227,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 44.235, 215.892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 227, 254) }
```

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

```
.background{ background-color: rgb(1, 227,  
254) }
```

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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