

Converting Colors

CIELCh(83, 44.163, 215.375)

Have a look what the booklet for
CIELCh(83, 44.163, 215.375)
contains.

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Color

CIELCh(83, 44.131, 215.194)

Conversions

Conversions Part 1

Format	Color
Hex	05E3FD
RGB	5, 227, 253
RGB Percent	2%, 89%, 99%
CMY	0.9794, 0.1092, 0.0072
CMYK	0.98, 0.10, 0.00, 0.01
HSL	186°, 99%, 51%
HSV	186°, 98%, 99%
XYZ	45.3341, 62.1629, 102.6751
YIQ	163.5860, -140.6580, -38.9780

Conversions

Conversions Part 2

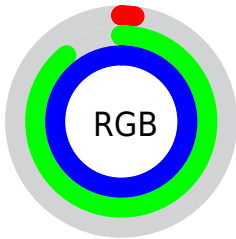
Format	Color
R _{YB}	5, 122, 253
Decimal	386045
CIE Lab	83.00, -36.06, -25.43
CIE LCh	83, 44.131, 215.194
Yxy	62.1629, 0.2157, 0.2958
Android (android.graphics.Color)	4278576125 (0xFF05E3FD)
YUV	163.5860, 44.0811, -139.0799
Hunter-Lab	78.8435, -35.3405, -22.0208

Details

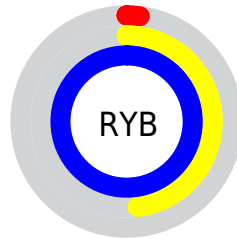
The CIELCh color **83, 44.131, 215.194** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light saturated cyan. A complement of this color would be **54, 101.113, 40.738**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.875, 197.039**, and **64, 35.998, 219.979** is the 20% darker color. If you saturate the color by 10%, you get **83, 44.169, 215.591**, and if you desaturate by 10%, it is **84, 43.696, 213.390**.

Distribution



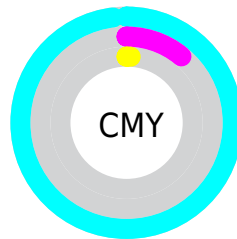
- Red (2%)
- Green (89%)
- Blue (99%)



- Red (2%)
- Yellow (48%)
- Blue (99%)



- Cyan (98%)
- Magenta (10%)
- Yellow (0%)
- Black (1%)



- Cyan (98%)
- Magenta (11%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 44.131, 215.194 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, 44.131, 215.194 by changing the saturation by 10% instead.

 83, 44.131,
215.194


 83, 44.131,
215.194

 100, 44.131,
215.194

 73, 44.131,
215.194

 63, 44.131,
215.194

 53, 44.131,
215.194

 43, 44.131,
215.194

 33, 44.131,
215.194

 23, 44.131,
215.194

 13, 44.131,

215.194

■ 3, 44.131, 215.194

■ 0, 44.131, 215.194

■ 83, 44.131,
215.194

■ 83, 44.131,
215.194

■ 83, 44.169,
215.591

■ 84, 43.696,
213.390

■ 85, 42.379,
211.944

■ 86, 40.034,
210.837

■ 88, 36.624,
210.027

■ 89, 32.185,

209.470

■ 91, 26.804,
209.127

■ 93, 20.596,
208.960

■ 95, 13.696,
208.942

■ 97, 6.234, 209.078

Harmonies

Complementary

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



83, 44.131, 215.194



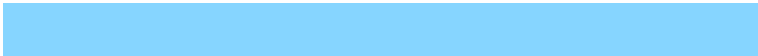
54, 101.113, 40.738

Rectangle

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



83, 44.131, 215.194



83, 44.131, 265.194



83, 44.131, 35.194



83, 44.131, 85.194

Sweetspot

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



83, 44.130, 215.193



93, 21.421, 208.970



87, 116.422, 136.869



49, 14.442, 209.029



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, 44.130, 215.193



83, 44.411, 215.599



48, 86.735, 292.434



52, 4.478, 209.042



64, 35.815, 215.228



21, 16.638, 212.693

Inverse Universe

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



59, 105.519, 332.897



59, 106.270, 333.006



72, 81.763, 69.271



50, 8.428, 327.951



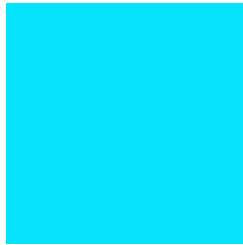
44, 85.716, 332.915



12, 39.826, 332.293

Previews

White Background



This preview shows how the CIE LCh color 83, 44.131, 215.194 looks on a white background.

Color Contrast Check

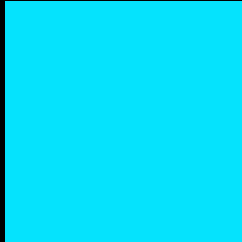
Large Text (above 18pt) WCAG AA × Fail

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, 44.131, 215.194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

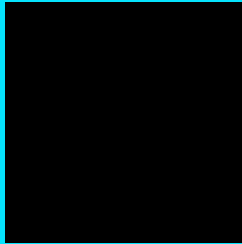
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 44.131, 215.194

Background



This preview shows how black text looks on a background with the CIELCh color 83, 44.131, 215.194.

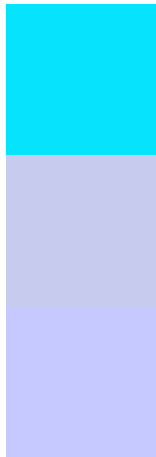


This preview shows how white text looks on a background with the CIELCh color 83, 44.131, 215.194.

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

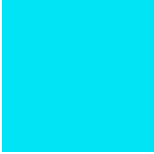
83, 44.111, 215.204

Protanopia

82, 18.041, 287.448

Deuteranopia

82, 28.631, 290.047

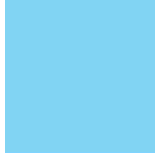


Tritanopia
83, 44.423, 209.197

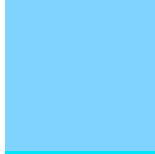
Trichromacy



Original Color
83, 44.111, 215.204



Protanomaly
81, 28.782, 233.267



Deuteranomaly
81, 32.171, 243.935

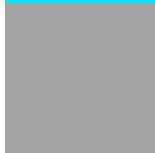


Tritanomaly
83, 44.307, 211.415

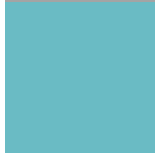
Monochromacy



Original Color
83, 44.111, 215.204



Achromatopsia
67, 0.008, 296.813



Achromatomaly
71, 25.522, 208.741

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 44.131, 215.194 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(5, 227, 253)` looks like.

```
.text, #text, p{  
    color:rgb(5, 227, 253)  
}
```

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(5, 227, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 227, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 44.131, 215.194 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(5, 227, 253) }
```

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

```
.border{ border-color:rgb(5, 227, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 227, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 227, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 227, 253);  
box-shadow:4px 4px 4px 4px rgb(5, 227,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 44.131, 215.194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 227, 253) }
```

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

```
.background{ background-color: rgb(5, 227,  
253) }
```

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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