

Converting Colors

CIELCh(80, 63.260, 213.120)

Have a look what the booklet for
CIELCh(80, 63.260, 213.120)
contains.

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Color

CIELCh(83, 44.157, 217.454)

Conversions

Conversions Part 1

Format	Color
Hex	06E3FF
RGB	6, 227, 255
RGB Percent	2%, 89%, 100%
CMY	0.9763, 0.1104, 0.0000
CMYK	0.98, 0.11, 0.00, 0.00
HSL	187°, 100%, 51%
HSV	187°, 98%, 100%
XYZ	45.6868, 62.1629, 104.9186
YIQ	164.1130, -140.7040, -38.1440

Conversions

Conversions Part 2

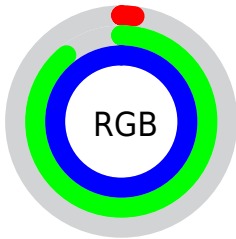
Format	Color
RYB	6, 123, 255
Decimal	451583
CIELab	83.00, -35.05, -26.85
CIELCh	83, 44.157, 217.454
Yxy	62.1629, 0.2147, 0.2922
Android (android.graphics.Color)	4278641663 (0xFF06E3FF)
YUV	164.1130, 44.8073, -138.6651
Hunter-Lab	78.8435, -34.5421, -23.7079

Details

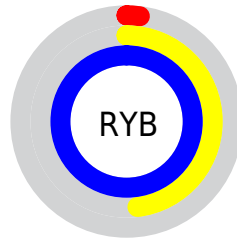
The CIELCh color **83, 44.157, 217.454** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **54, 101.276, 40.858**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.875, 197.039**, and **64, 36.146, 221.874** is the 20% darker color. If you saturate the color by 10%, you get **83, 44.173, 217.324**, and if you desaturate by 10%, it is **84, 43.658, 214.854**.

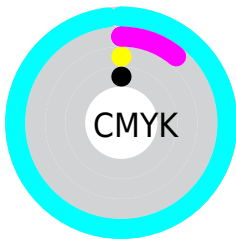
Distribution



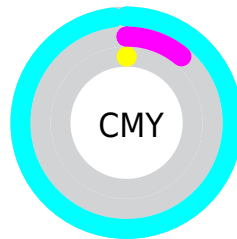
- Red (2%)
- Green (89%)
- Blue (100%)



- Red (2%)
- Yellow (48%)
- Blue (100%)



- Cyan (98%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (98%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 44.157, 217.454 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, 44.157, 217.454 by changing the saturation by 10% instead.


 83, 44.157,
217.454

 83, 44.157,
217.454


 100, 44.157,
217.454

 73, 44.157,
217.454

 63, 44.157,
217.454

 53, 44.157,
217.454

 43, 44.157,
217.454

 33, 44.157,
217.454

 23, 44.157,
217.454

 13, 44.157,

217.454

■ 3, 44.157, 217.454

■ 0, 44.157, 217.454

■ 83, 44.157,
217.454

■ 83, 44.157,
217.454

■ 83, 44.173,
217.324

■ 84, 43.658,
214.854

■ 85, 42.305,
213.273

■ 86, 39.924,
212.056

■ 88, 36.482,
211.158

■ 90, 32.013,

210.530

■ 91, 26.607,
210.128

■ 93, 20.381,
209.912

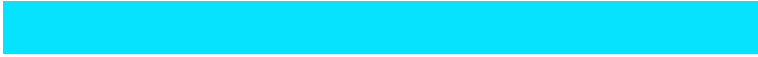
■ 96, 13.468,
209.852

■ 98, 5.998, 209.955

Harmonies

Complementary

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



83, 44.157, 217.454



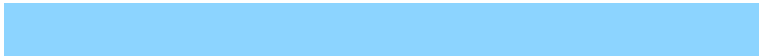
54, 101.276, 40.858

Rectangle

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



83, 44.157, 217.454



83, 44.157, 267.454



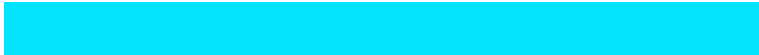
83, 44.157, 37.454



83, 44.157, 87.454

Sweetspot

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



83, 44.124, 216.824



93, 21.278, 209.931



88, 116.965, 136.891



49, 14.346, 210.012



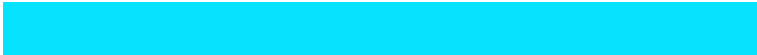
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 44.124, 216.824



83, 44.173, 217.324



49, 86.958, 292.334



52, 4.447, 209.918



64, 35.621, 216.917



21, 16.542, 214.142

Inverse Universe

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



59, 105.392, 333.297



59, 105.575, 333.430



73, 82.122, 69.346



50, 8.380, 328.207



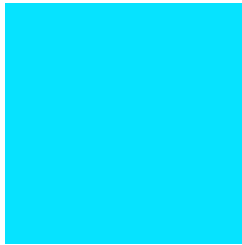
44, 85.165, 333.330



12, 39.600, 332.649

Previews

White Background



This preview shows how the CIE LCh color 83, 44.157, 217.454 looks on a white background.

Color Contrast Check

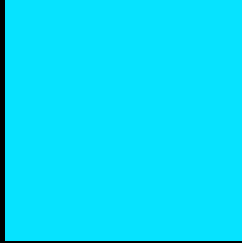
Large Text (above 18pt) WCAG AA × Fail

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, 44.157, 217.454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

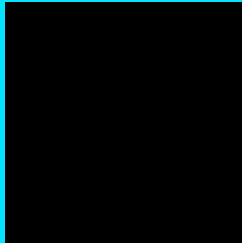
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 44.157, 217.454

Background



This preview shows how black text looks on a background with the CIELCh color 83, 44.157, 217.454.

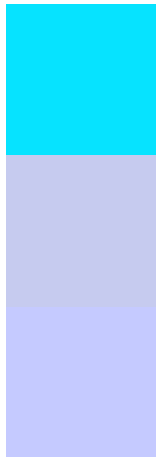


This preview shows how white text looks on a background with the CIELCh color 83, 44.157, 217.454.

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

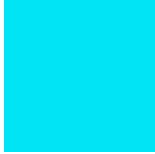
83, 44.143, 216.692

Protanopia

82, 19.115, 286.794

Deuteranopia

83, 28.089, 289.285

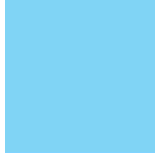


Tritanopia
83, 44.423, 209.197

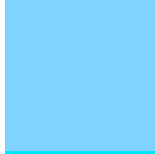
Trichromacy



Original Color
83, 44.143, 216.692



Protanomaly
81, 29.435, 234.956



Deuteranomaly
81, 32.325, 245.043

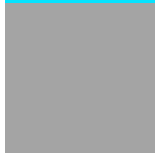


Tritanomaly
83, 44.307, 211.415

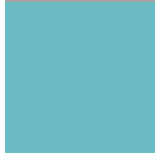
Monochromacy



Original Color
83, 44.143, 216.692



Achromatopsia
67, 0.008, 296.813



Achromatomaly
71, 25.299, 210.147

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 44.157, 217.454 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(6, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(6, 227, 255)  
}
```

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(6, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 227, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 44.157, 217.454 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(6, 227, 255) }
```

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

```
.border{ border-color:rgb(6, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(6, 227,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 44.157, 217.454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 227, 255) }
```

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

```
.background{ background-color: rgb(6, 227,  
255) }
```

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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