

Converting Colors

CIELCh(83, 44.188, 214.580)

Have a look what the booklet for
CIELCh(83, 44.188, 214.580)
contains.

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Color

CIELCh(83, 44.136, 214.445)

Conversions

Conversions Part 1

Format	Color
Hex	05E3FC
RGB	5, 227, 252
RGB Percent	2%, 89%, 99%
CMY	0.9805, 0.1087, 0.0107
CMYK	0.98, 0.10, 0.00, 0.01
HSL	186°, 98%, 50%
HSV	186°, 98%, 99%
XYZ	45.2181, 62.1629, 101.9375
YIQ	163.4720, -140.3370, -39.2890

Conversions

Conversions Part 2

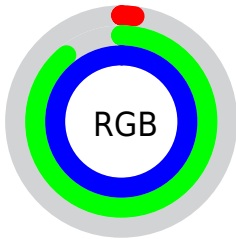
Format	Color
R _{YB}	5, 122, 252
Decimal	386044
CIE Lab	83.00, -36.40, -24.96
CIE LCh	83, 44.136, 214.445
Yxy	62.1629, 0.2160, 0.2970
Android (android.graphics.Color)	4278576124 (0xFF05E3FC)
YUV	163.4720, 43.6443, -138.9799
Hunter-Lab	78.8435, -35.6032, -21.4661

Details

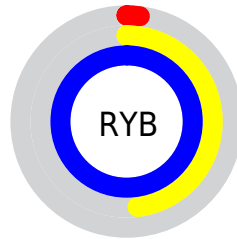
The CIELCh color **83, 44.136, 214.445** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light saturated cyan. A complement of this color would be **54, 100.993, 40.685**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.875, 197.039**, and **64, 35.937, 219.027** is the 20% darker color. If you saturate the color by 10%, you get **83, 44.172, 214.806**, and if you desaturate by 10%, it is **84, 43.711, 212.718**.

Distribution



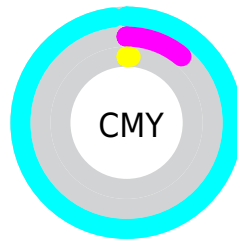
- Red (2%)
- Green (89%)
- Blue (99%)



- 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, 44.136, 214.445 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, 44.136, 214.445 by changing the saturation by 10% instead.

 83, 44.136,
214.445


 83, 44.136,
214.445


 100, 44.136,
214.445

 73, 44.136,
214.445

 63, 44.136,
214.445

 53, 44.136,
214.445

 43, 44.136,
214.445

 33, 44.136,
214.445

 23, 44.136,
214.445

 13, 44.136,

214.445

■ 3, 44.136, 214.445

■ 0, 44.136, 214.445

■ 83, 44.136,
214.445

■ 83, 44.136,
214.445

■ 83, 44.172,
214.806

■ 84, 43.711,
212.718

■ 85, 42.405,
211.335

■ 86, 40.071,
210.279

■ 87, 36.672,
209.510

■ 89, 32.243,

208.987

■ 91, 26.869,
208.671

■ 93, 20.668,
208.527

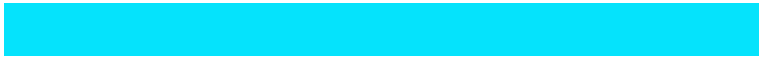
■ 95, 13.772,
208.528

■ 97, 6.313, 208.680

Harmonies

Complementary

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



83, 44.136, 214.445



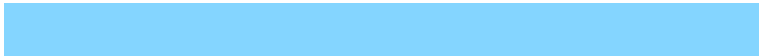
54, 100.993, 40.685

Rectangle

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



83, 44.136, 214.445



83, 44.136, 264.445



83, 44.136, 34.445



83, 44.136, 84.445

Sweetspot

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



83, 44.135, 214.444



93, 21.488, 208.534



87, 116.140, 136.863



49, 14.487, 208.583



0, 0.000, 0.000



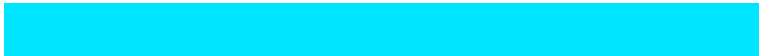
53, 0.007, 296.813

Same Dimension

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



83, 44.135, 214.444



84, 44.531, 214.818



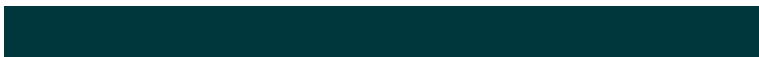
48, 86.581, 292.465



51, 4.418, 208.644



64, 35.559, 214.444



20, 16.255, 211.905

Inverse Universe

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



58, 105.557, 332.714



59, 106.590, 332.814



72, 81.574, 69.248



49, 8.312, 327.834



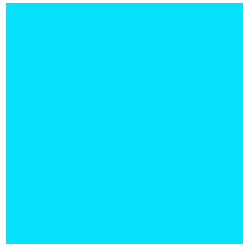
44, 85.121, 332.722



11, 38.899, 332.101

Previews

White Background



This preview shows how the CIE LCh color 83, 44.136, 214.445 looks on a white background.

Color Contrast Check

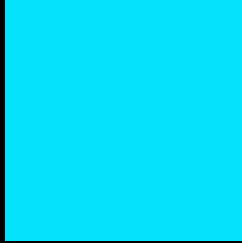
Large Text (above 18pt) WCAG AA × Fail

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, 44.136, 214.445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

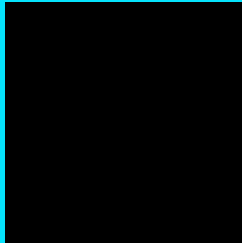
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 44.136, 214.445

Background



This preview shows how black text looks on a background with the CIELCh color 83, 44.136, 214.445.



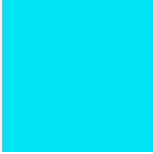
This preview shows how white text looks on a background with the CIELCh color 83, 44.136, 214.445.

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



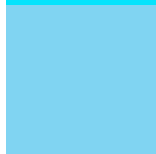


Tritanopia
83, 44.423, 209.197

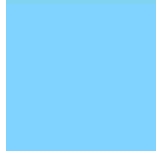
Trichromacy



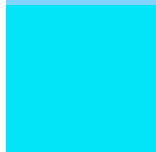
Original Color
83, 44.095, 214.465



Protanomaly
81, 28.756, 231.983



Deuteranomaly
81, 32.013, 244.232

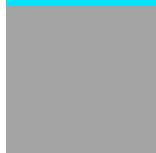


Tritanomaly
83, 44.325, 210.680

Monochromacy



Original Color
83, 44.095, 214.465



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, 44.136, 214.445 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, 252)` looks like.

```
.text, #text, p{  
    color:rgb(5, 227, 252)  
}
```

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, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 227, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 44.136, 214.445 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, 252) }
```

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

```
.border{ border-color:rgb(5, 227, 252) }
```

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, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 227, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 227, 252);  
box-shadow:4px 4px 4px 4px rgb(5, 227,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 44.136, 214.445 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, 252) }
```

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

```
.background{ background-color: rgb(5, 227,  
252) }
```

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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