

Converting Colors

CIELCh(83, 43.752, 218.030)

Have a look what the booklet for
CIELCh(83, 43.752, 218.030)
contains.

CIELCh(83, 43.766, 216.891)	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, 43.766, 216.891)

Conversions

Conversions Part 1

Format	Color
Hex	14E3FF
RGB	20, 227, 255
RGB Percent	8%, 89%, 100%
CMY	0.9215, 0.1107, 0.0009
CMYK	0.92, 0.11, 0.00, 0.00
HSL	187°, 100%, 54%
HSV	187°, 92%, 100%
XYZ	45.7045, 62.1629, 103.9964
YIQ	168.2990, -132.3600, -35.1760

Conversions

Conversions Part 2

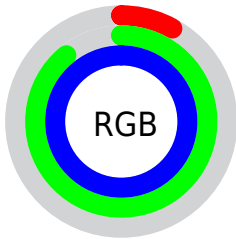
Format	Color
R_{YB}	20, 130, 255
Decimal	1369087
CIE Lab	83.00, -35.00, -26.27
CIE LCh	83, 43.766, 216.891
Yxy	62.1629, 0.2157, 0.2934
Android (android.graphics.Color)	4279559167 (0xFF14E3FF)
YUV	168.2990, 42.7436, -130.0582
Hunter-Lab	78.8435, -34.5021, -23.0145

Details

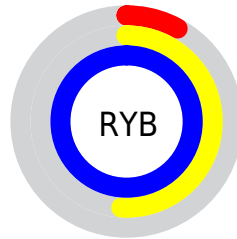
The CIELCh color **83, 43.766, 216.891** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **55, 97.170, 40.557**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.486, 197.062**, and **64, 36.146, 221.874** is the 20% darker color. If you saturate the color by 10%, you get **82, 43.989, 218.625**, and if you desaturate by 10%, it is **84, 42.830, 215.015**.

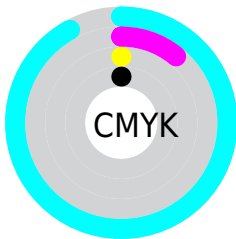
Distribution



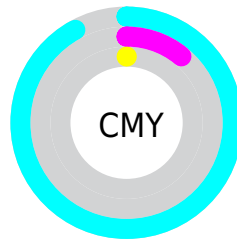
- Red (8%)
- Green (89%)
- Blue (100%)



- Red (8%)
- Yellow (51%)
- Blue (100%)



- Cyan (92%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (92%)
- Magenta (11%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 43.766, 216.891 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, 43.766, 216.891 by changing the saturation by 10% instead.


 83, 43.766,
216.891


 83, 43.766,
216.891


 100, 43.766,
216.891


 73, 43.766,
216.891

 63, 43.766,
216.891

 53, 43.766,
216.891

 43, 43.766,
216.891

 33, 43.766,
216.891

 23, 43.766,
216.891

 13, 43.766,

216.891

■ 3, 43.766, 216.891

■ 0, 43.766, 216.891

■ 83, 43.766,
216.891

■ 83, 43.766,
216.891

■ 82, 43.989,
218.625

■ 84, 42.830,
215.015

■ 85, 40.922,
213.542

■ 87, 37.967,
212.427

■ 88, 33.969,
211.618

■ 90, 28.996,

211.066

■ 92, 23.154,
210.727

■ 94, 16.570,
210.562

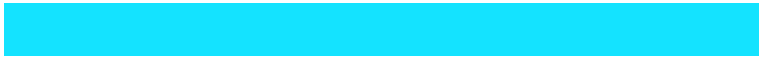
■ 97, 9.375, 210.553

■ 99, 1.697, 210.941

Harmonies

Complementary

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



83, 43.766, 216.891



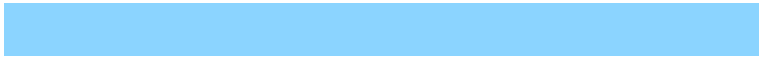
55, 97.170, 40.557

Rectangle

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



83, 43.766, 216.891



83, 43.766, 266.891



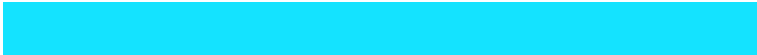
83, 43.766, 36.891



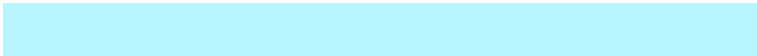
83, 43.766, 86.891

Sweetspot

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



83, 43.765, 216.890



93, 20.524, 210.639



88, 113.757, 137.716



49, 13.925, 210.731



0, 0.000, 0.000



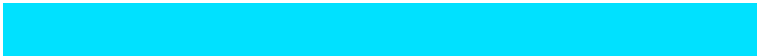
53, 0.007, 296.813

Same Dimension

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



83, 43.765, 216.890



82, 44.020, 218.626



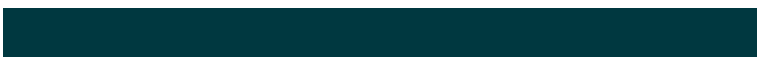
50, 84.036, 291.321



52, 4.425, 210.580



63, 35.494, 218.193



21, 16.476, 215.238

Inverse Universe

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



59, 104.221, 333.285



59, 105.061, 333.752



75, 80.062, 72.454



50, 8.344, 328.400



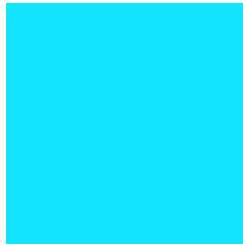
44, 84.757, 333.645



12, 39.432, 332.917

Previews

White Background



This preview shows how the CIE LCh color 83, 43.766, 216.891 looks on a white background.

Color Contrast Check

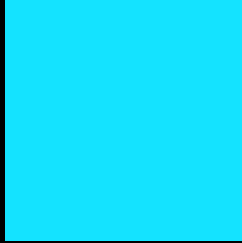
Large Text (above 18pt) WCAG AA × Fail

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, 43.766, 216.891 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, 43.766, 216.891

Background



This preview shows how black text looks on a background with the CIELCh color 83, 43.766, 216.891.

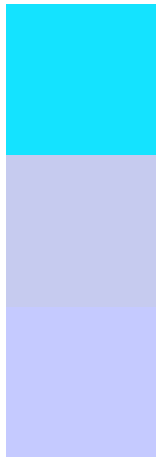


This preview shows how white text looks on a background with the CIELCh color 83, 43.766, 216.891.

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](#).

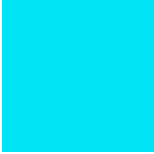
Dichromacy



Original Color
83, 43.799, 216.873

Protanopia
82, 19.115, 286.794

Deuteranopia
83, 28.089, 289.285

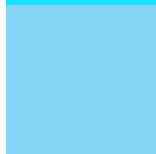


Tritanopia
83, 44.423, 209.197

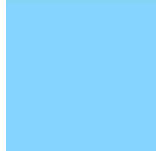
Trichromacy



Original Color
83, 43.799, 216.873



Protanomaly
81, 28.496, 236.434



Deuteranomaly
81, 31.546, 246.600

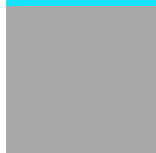


Tritanomaly
83, 44.202, 211.457

Monochromacy



Original Color
83, 43.799, 216.873



Achromatopsia
69, 0.009, 296.813



Achromatomaly
72, 24.123, 212.194

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 43.766, 216.891 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(20, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(20, 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(20, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 227, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 43.766, 216.891 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(20, 227, 255) }
```

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

```
.border{ border-color:rgb(20, 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(20, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(20, 227,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 43.766, 216.891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 227, 255) }
```

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

```
.background{ background-color: rgb(20, 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](#).

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