

Converting Colors

CIELCh(85, 50.659, 255.213)

Have a look what the booklet for
CIELCh(85, 50.659, 255.213)
contains.

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Color

CIELCh(83, 38.382, 222.865)

Conversions

Conversions Part 1

Format	Color
Hex	54E0FF
RGB	84, 224, 255
RGB Percent	33%, 88%, 100%
CMY	0.6725, 0.1231, 0.0015
CMYK	0.67, 0.12, 0.00, 0.00
HSL	191°, 100%, 66%
HSV	191°, 67%, 100%
XYZ	48.1519, 62.1629, 103.7396
YIQ	185.6740, -93.3910, -20.0390

Conversions

Conversions Part 2

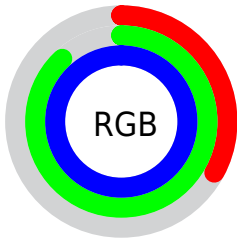
Format	Color
R _Y B	84, 161, 255
Decimal	5562623
CIE Lab	83.00, -28.13, -26.11
CIE LCh	83, 38.382, 222.865
Yxy	62.1629, 0.2250, 0.2904
Android (android.graphics.Color)	4283752703 (0xFF54E0FF)
YUV	185.6740, 34.1777, -89.1681
Hunter-Lab	78.8435, -28.9613, -22.8214

Details

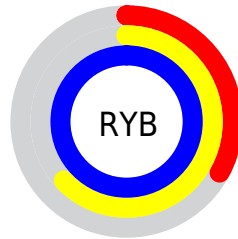
The CIELCh color **83, 38.382, 222.865** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **65, 66.955, 39.882**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.646, 197.470**, and **63, 36.015, 225.143** is the 20% darker color. If you saturate the color by 10%, you get **81, 40.921, 225.064**, and if you desaturate by 10%, it is **85, 34.885, 221.160**.

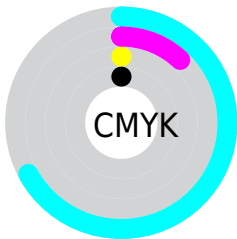
Distribution



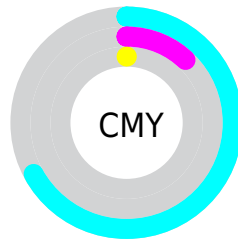
- Red (33%)
- Green (88%)
- Blue (100%)



- Red (33%)
- Yellow (63%)
- Blue (100%)



- Cyan (67%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (67%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 38.382, 222.865 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, 38.382, 222.865 by changing the saturation by 10% instead.


 83, 38.382,
222.865


 83, 38.382,
222.865


 100, 38.382,
222.865


 73, 38.382,
222.865

 63, 38.382,
222.865

 53, 38.382,
222.865

 43, 38.382,
222.865

 33, 38.382,
222.865

 23, 38.382,
222.865

 13, 38.382,

222.865

■ 3, 38.382, 222.865

■ 0, 38.382, 222.865

■ 83, 38.382,
222.865

■ 83, 38.382,
222.865

■ 81, 40.921,
225.064

■ 85, 34.885,
221.160

■ 80, 42.554,
227.836

■ 87, 30.460,
219.871

■ 78, 43.434,
231.214

■ 90, 25.186,
218.921

■ 78, 43.624,
232.221

■ 92, 19.170,
218.245

■ 95, 12.534,

217.794

■ 98, 5.394, 217.563

100, 0.186,
109.748

Harmonies

Complementary

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



83, 38.382, 222.865



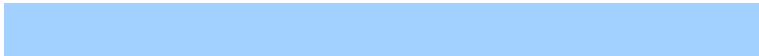
65, 66.955, 39.882

Rectangle

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



83, 38.382, 222.865



83, 38.382, 272.865



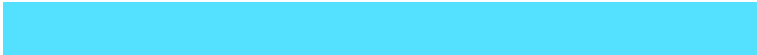
83, 38.382, 42.865



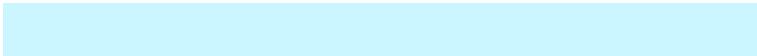
83, 38.382, 92.865

Sweetspot

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



83, 38.381, 222.864



94, 14.464, 217.900



89, 90.087, 142.538



49, 9.778, 218.022



0, 0.000, 0.000



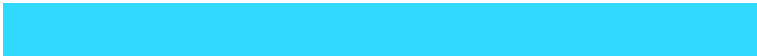
53, 0.007, 296.813

Same Dimension

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



83, 38.381, 222.864



81, 41.692, 226.048



60, 64.709, 285.586



52, 4.239, 217.590



60, 35.148, 231.534



19, 16.134, 226.768

Inverse Universe

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



64, 86.865, 334.398



60, 96.272, 335.482



83, 63.615, 81.821



50, 7.989, 330.438



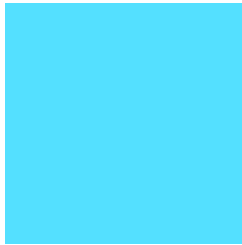
44, 80.816, 337.054



11, 37.801, 335.803

Previews

White Background



This preview shows how the CIE LCh color 83, 38.382, 222.865 looks on a white background.

Color Contrast Check

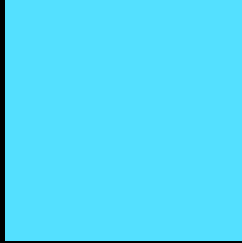
Large Text (above 18pt) WCAG AA × Fail

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, 38.382, 222.865 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, 38.382, 222.865

Background



This preview shows how black text looks on a background with the CIELCh color 83, 38.382, 222.865.

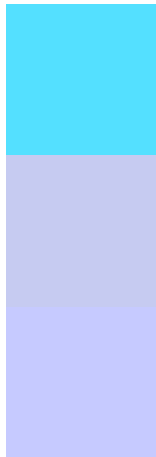


This preview shows how white text looks on a background with the CIELCh color 83, 38.382, 222.865.

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, 38.382, 222.865

Protanopia

82, 20.168, 287.167

Deuteranopia

83, 28.078, 289.937



Tritanopia
83, 38.776, 212.227

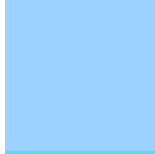
Trichromacy



Original Color
83, 38.382, 222.865



Protanomaly
82, 24.799, 249.394



Deuteranomaly
82, 28.269, 256.833

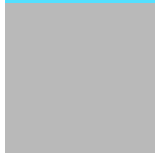


Tritanomaly
83, 38.486, 216.624

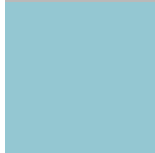
Monochromacy



Original Color
83, 38.382, 222.865



Achromatopsia
75, 0.009, 296.813



Achromatomaly
77, 17.699, 217.882

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 38.382, 222.865 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(84, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(84, 224, 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(84, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 224, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 38.382, 222.865 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(84, 224, 255) }
```

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

```
.border{ border-color:rgb(84, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(84, 224,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 38.382, 222.865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 224, 255) }
```

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

```
.background{ background-color: rgb(84, 224,  
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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