

Converting Colors

CIELCh(84, 46.662, 246.392)

Have a look what the booklet for
CIELCh(84, 46.662, 246.392)
contains.

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Color

CIELCh(83, 39.656, 222.810)

Conversions

Conversions Part 1

Format	Color
Hex	4BE0FF
RGB	75, 224, 255
RGB Percent	29%, 88%, 100%
CMY	0.7072, 0.1210, 0.0000
CMYK	0.71, 0.12, 0.00, 0.00
HSL	190°, 100%, 65%
HSV	190°, 71%, 100%
XYZ	47.8049, 62.1629, 105.0717
YIQ	182.9830, -98.7550, -21.9470

Conversions

Conversions Part 2

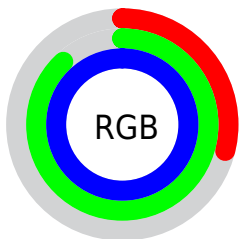
Format	Color
R_{YB}	75, 157, 255
Decimal	4972799
CIE Lab	83.00, -29.09, -26.95
CIE LCh	83, 39.656, 222.810
Yxy	62.1629, 0.2223, 0.2891
Android (android.graphics.Color)	4283162879 (0xFF4BE0FF)
YUV	182.9830, 35.5044, -94.7011
Hunter-Lab	78.8435, -29.7468, -23.8231

Details

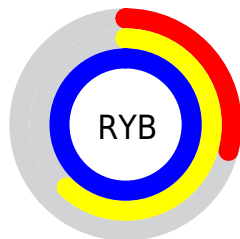
The CIELCh color **83, 39.656, 222.810** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **63, 71.679, 39.667**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.085, 197.384**, and **63, 36.015, 225.143** is the 20% darker color. If you saturate the color by 10%, you get **81, 41.706, 224.113**, and if you desaturate by 10%, it is **85, 36.404, 220.136**.

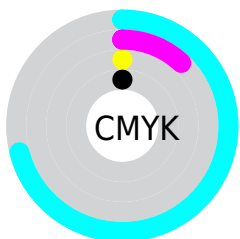
Distribution



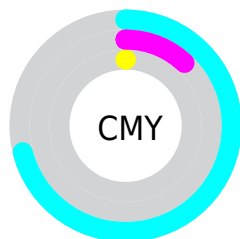
- Red (29%)
- Green (88%)
- Blue (100%)



- Red (29%)
- Yellow (62%)
- Blue (100%)



- Cyan (71%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (71%)
- Magenta (12%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 39.656, 222.810 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, 39.656, 222.810 by changing the saturation by 10% instead.


 83, 39.656,
222.810


 83, 39.656,
222.810


 100, 39.656,
222.810


 73, 39.656,
222.810

 63, 39.656,
222.810

 53, 39.656,
222.810

 43, 39.656,
222.810

 33, 39.656,
222.810

 23, 39.656,
222.810

 13, 39.656,

222.810

■ 3, 39.656, 222.810

■ 0, 39.656, 222.810

■ 83, 39.656,
222.810

■ 83, 39.656,
222.810

■ 81, 41.706,
224.113

■ 85, 36.404,
220.136

■ 80, 42.980,
226.914

■ 87, 32.303,
218.817

■ 78, 43.576,
229.989


■ 89, 27.304,
217.845


■ 92, 21.509,
217.155

■ 94, 15.040,

216.693

 97, 8.017, 216.431

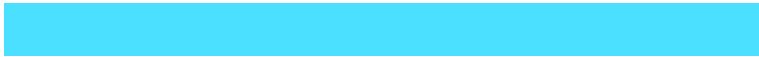
 100, 0.556,
217.372

 100, 0.012,
296.813

Harmonies

Complementary

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



83, 39.656, 222.810



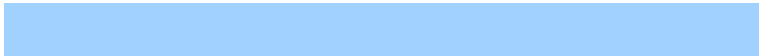
63, 71.679, 39.667

Rectangle

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



83, 39.656, 222.810



83, 39.656, 272.810



83, 39.656, 42.810



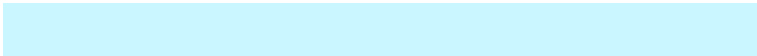
83, 39.656, 92.810

Sweetspot

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



83, 39.540, 221.875



94, 15.227, 216.703



89, 93.870, 142.002



49, 10.211, 216.811



0, 0.000, 0.000



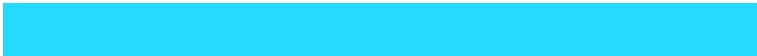
53, 0.007, 296.813

Same Dimension

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



83, 39.540, 221.875



81, 42.352, 225.239



58, 68.462, 286.777



52, 4.264, 216.415



60, 35.084, 229.337



20, 16.148, 224.854

Inverse Universe

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



63, 90.466, 334.225



60, 98.600, 335.320



82, 66.743, 81.248



50, 8.046, 330.095



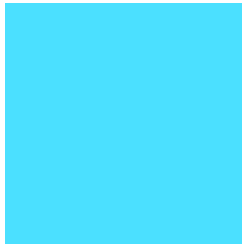
44, 81.432, 336.471



12, 38.058, 335.313

Previews

White Background



This preview shows how the CIE LCh color 83, 39.656, 222.810 looks on a white background.

Color Contrast Check

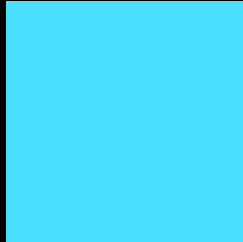
Large Text (above 18pt) WCAG AA × Fail

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, 39.656, 222.810 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, 39.656, 222.810

Background



This preview shows how black text looks on a background with the CIELCh color 83, 39.656, 222.810.

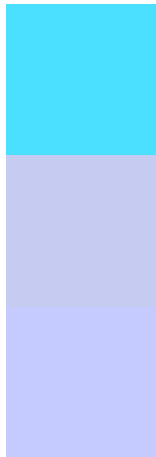


This preview shows how white text looks on a background with the CIELCh color 83, 39.656, 222.810.

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

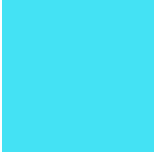
83, 39.491, 222.038

Protanopia

82, 20.168, 287.167

Deuteranopia

83, 28.089, 289.285



Tritanopia
83, 40.063, 210.844

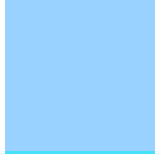
Trichromacy



Original Color
83, 39.491, 222.038



Protanomaly
82, 25.152, 246.481



Deuteranomaly
82, 28.704, 255.463

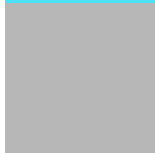


Tritanomaly
83, 39.725, 215.082

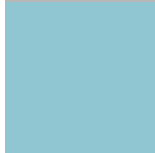
Monochromacy



Original Color
83, 39.491, 222.038



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 18.546, 216.914

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 39.656, 222.810 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(75, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(75, 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(75, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 224, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 39.656, 222.810 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(75, 224, 255) }
```

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

```
.border{ border-color:rgb(75, 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(75, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(75, 224,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 39.656, 222.810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 224, 255) }
```

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

```
.background{ background-color: rgb(75, 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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