

Converting Colors

CIELCh(83, 39.262, 222.536)

Have a look what the booklet for
CIELCh(83, 39.262, 222.536)
contains.

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Color

CIELCh(83, 39.255, 222.210)

Conversions

Conversions Part 1

Format	Color
Hex	4DE0FF
RGB	77, 224, 255
RGB Percent	30%, 88%, 100%
CMY	0.6975, 0.1212, 0.0000
CMYK	0.70, 0.12, 0.00, 0.00
HSL	190°, 100%, 65%
HSV	190°, 70%, 100%
XYZ	47.8108, 62.1629, 104.1564
YIQ	183.5810, -97.5630, -21.5230

Conversions

Conversions Part 2

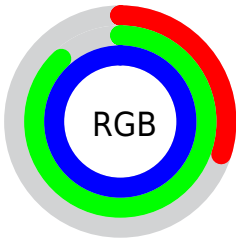
Format	Color
RYB	77, 158, 255
Decimal	5103871
CIELab	83.00, -29.08, -26.37
CIELCh	83, 39.255, 222.210
Yxy	62.1629, 0.2233, 0.2903
Android (android.graphics.Color)	4283293951 (0xFF4DE0FF)
YUV	183.5810, 35.2096, -93.4715
Hunter-Lab	78.8435, -29.7334, -23.1348

Details

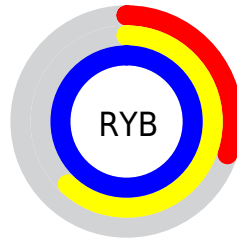
The CIELCh color **83, 39.255, 222.210** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **64, 70.401, 39.711**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.849, 197.398**, and **63, 36.015, 225.143** is the 20% darker color. If you saturate the color by 10%, you get **81, 41.515, 224.369**, and if you desaturate by 10%, it is **85, 36.009, 220.411**.

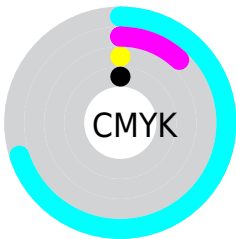
Distribution



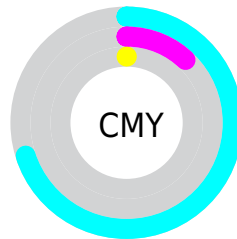
- Red (30%)
- Green (88%)
- Blue (100%)



- Red (30%)
- Yellow (62%)
- Blue (100%)



- Cyan (70%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (12%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 39.255, 222.210 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, 39.255, 222.210 by changing the saturation by 10% instead.


 83, 39.255,
222.210


 83, 39.255,
222.210


 100, 39.255,
222.210


 73, 39.255,
222.210

 63, 39.255,
222.210

 53, 39.255,
222.210

 43, 39.255,
222.210

 33, 39.255,
222.210

 23, 39.255,
222.210

 13, 39.255,

222.210

■ 3, 39.255, 222.210

■ 0, 39.255, 222.210

■ 83, 39.255,
222.210

■ 83, 39.255,
222.210

■ 81, 41.515,
224.369

■ 85, 36.009,
220.411

■ 80, 42.886,
227.163

■ 87, 31.816,
219.101

■ 78, 43.581,
230.507

■ 89, 26.737,
218.135

■ 78, 43.597,
230.592

■ 92, 20.878,
217.449

■ 94, 14.358,

216.990

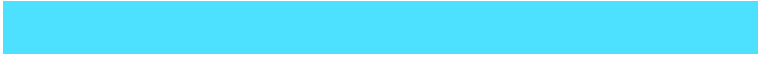
■ 97, 7.299, 216.734

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, 39.255, 222.210



64, 70.401, 39.711

Rectangle

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



83, 39.255, 222.210



83, 39.255, 272.210



83, 39.255, 42.210



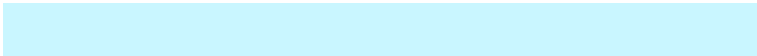
83, 39.255, 92.210

Sweetspot

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



83, 39.246, 222.141



94, 15.202, 217.036



89, 92.879, 142.151



49, 10.194, 217.149



0, 0.000, 0.000



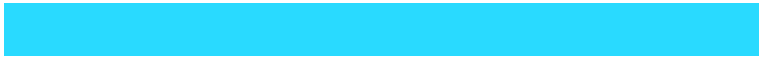
53, 0.007, 296.813

Same Dimension

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



83, 39.246, 222.141



81, 42.200, 225.483



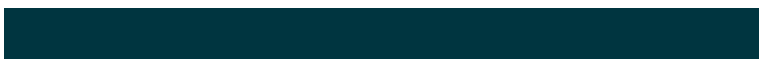
59, 67.447, 286.446



52, 4.257, 216.731



60, 35.097, 229.930



20, 16.143, 225.369

Inverse Universe

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



63, 89.535, 334.272



60, 98.045, 335.372



82, 65.917, 81.408



50, 8.030, 330.187



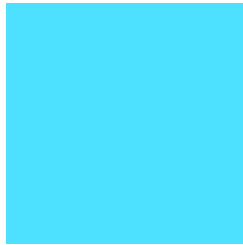
44, 81.265, 336.627



12, 37.988, 335.444

Previews

White Background



This preview shows how the CIE LCh color 83, 39.255, 222.210 looks on a white background.

Color Contrast Check

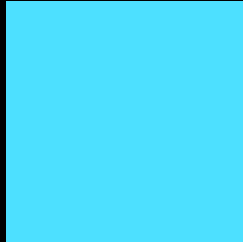
Large Text (above 18pt) WCAG AA × Fail

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, 39.255, 222.210 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, 39.255, 222.210

Background



This preview shows how black text looks on a background with the CIELCh color 83, 39.255, 222.210.

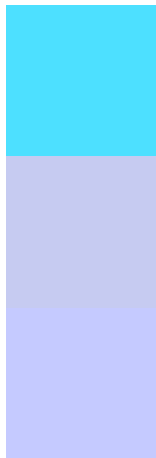


This preview shows how white text looks on a background with the CIELCh color 83, 39.255, 222.210.

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](#).

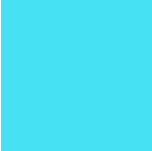
Dichromacy



Original Color
83, 39.255, 222.210

Protanopia
82, 20.168, 287.167

Deuteranopia
83, 28.089, 289.285



Tritanopia
83, 39.828, 210.941

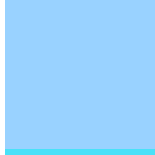
Trichromacy



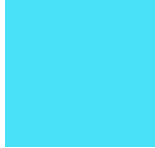
Original Color
83, 39.255, 222.210



Protanomaly
82, 24.970, 246.951



Deuteranomaly
82, 28.704, 255.463

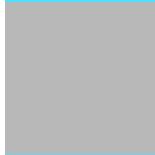


Tritanomaly
83, 39.371, 215.270

Monochromacy



Original Color
83, 39.255, 222.210



Achromatopsia
75, 0.009, 296.813



Achromatomaly
77, 18.539, 216.907

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 39.255, 222.210 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(77, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 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(77, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 224, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 39.255, 222.210 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(77, 224, 255) }
```

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

```
.border{ border-color:rgb(77, 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(77, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 224,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 39.255, 222.210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 224, 255) }
```

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

```
.background{ background-color: rgb(77, 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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