

Converting Colors

CIELCh(83, 39.370, 219.536)

Have a look what the booklet for
CIELCh(83, 39.370, 219.536)
contains.

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Color

CIELCh(83, 39.403, 219.485)

Conversions

Conversions Part 1

Format	Color
Hex	4AE1FD
RGB	74, 225, 253
RGB Percent	29%, 88%, 99%
CMY	0.7082, 0.1193, 0.0095
CMYK	0.71, 0.11, 0.00, 0.01
HSL	189°, 97%, 64%
HSV	189°, 71%, 99%
XYZ	47.3308, 62.1629, 102.0805
YIQ	183.0430, -98.9840, -23.3040

Conversions

Conversions Part 2

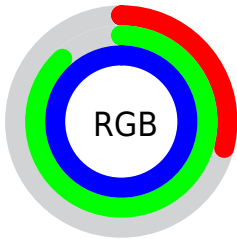
Format	Color
RYB	74, 156, 253
Decimal	4907517
CIELab	83.00, -30.41, -25.06
CIELCh	83, 39.403, 219.485
Yxy	62.1629, 0.2237, 0.2938
Android (android.graphics.Color)	4283097597 (0xFF4AE1FD)
YUV	183.0430, 34.4888, -95.6307
Hunter-Lab	78.8435, -30.8201, -21.5737

Details

The CIELCh color **83, 39.403, 219.485** 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 **62, 71.454, 38.777**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.320, 197.370**, and **64, 35.858, 222.152** is the 20% darker color. If you saturate the color by 10%, you get **81, 41.523, 221.488**, and if you desaturate by 10%, it is **85, 36.292, 217.938**.

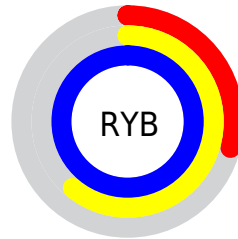
Distribution



Red (29%)

Green (88%)

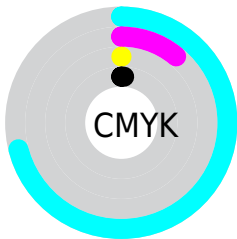
Blue (99%)



Red (29%)

Yellow (61%)

Blue (99%)

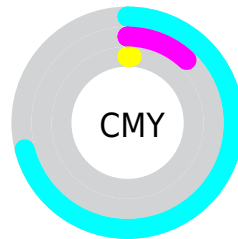


Cyan (71%)

Magenta (11%)

Yellow (0%)

Black (1%)



Cyan (71%)


Magenta (12%)


Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 39.403, 219.485 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, 39.403, 219.485 by changing the saturation by 10% instead.


 83, 39.403,
219.485


 83, 39.403,
219.485

 100, 39.403,
219.485


 73, 39.403,
219.485

 63, 39.403,
219.485

 53, 39.403,
219.485

 43, 39.403,
219.485

 33, 39.403,
219.485

 23, 39.403,
219.485

 13, 39.403,

219.485

■ 3, 39.403, 219.485

■ 0, 39.403, 219.485

■ 83, 39.403,
219.485

■ 83, 39.403,
219.485

■ 81, 41.523,
221.488

■ 85, 36.292,
217.938

■ 80, 42.724,
224.013

■ 87, 32.205,
216.778

■ 79, 43.227,
226.859

■ 89, 27.209,
215.936

■ 91, 21.410,
215.355

■ 94, 14.930,

214.986

■ 96, 7.892, 214.804

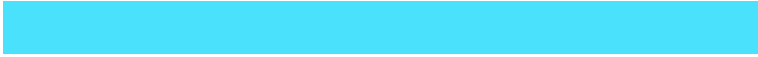
■ 99, 0.414, 216.216

100, 1.216,
110.023

Harmonies

Complementary

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



83, 39.403, 219.485



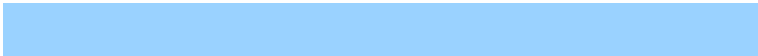
62, 71.454, 38.777

Rectangle

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



83, 39.403, 219.485



83, 39.403, 269.485



83, 39.403, 39.485



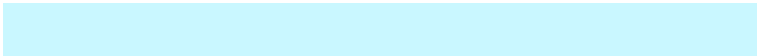
83, 39.403, 89.485

Sweetspot

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



83, 39.402, 219.484



94, 15.361, 214.999



88, 94.004, 141.567



50, 10.300, 215.084



0, 0.000, 0.000



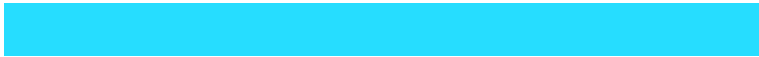
53, 0.007, 296.813

Same Dimension

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



83, 39.402, 219.484



81, 42.476, 222.558



58, 66.017, 285.517



52, 4.303, 214.798



61, 35.075, 226.282



20, 16.196, 222.204

Inverse Universe

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



63, 90.493, 333.609



60, 99.579, 334.636



81, 65.607, 79.855



50, 8.125, 329.625



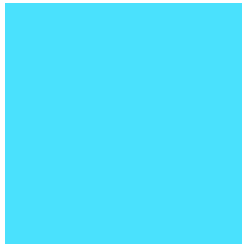
44, 82.308, 335.678



12, 38.421, 334.643

Previews

White Background



This preview shows how the CIELCh color 83, 39.403, 219.485 looks on a white background.

Color Contrast Check

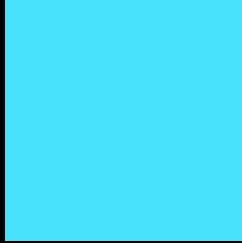
Large Text (above 18pt) WCAG AA × Fail

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, 39.403, 219.485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

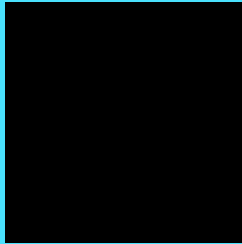
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 39.403, 219.485

Background



This preview shows how black text looks on a background with the CIELCh color 83, 39.403, 219.485.



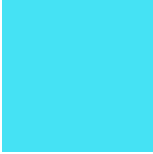
This preview shows how white text looks on a background with the CIELCh color 83, 39.403, 219.485.

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, 39.946, 210.892

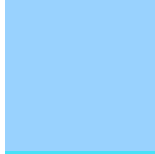
Trichromacy



Original Color
83, 39.521, 219.408



Protanomaly
82, 23.969, 243.939



Deuteranomaly
82, 28.309, 254.712

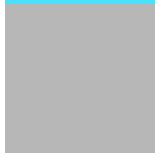


Tritanomaly
83, 39.579, 214.330

Monochromacy



Original Color
83, 39.521, 219.408



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 18.446, 215.240

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 39.403, 219.485 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(74, 225, 253)` looks like.

```
.text, #text, p{  
    color:rgb(74, 225, 253)  
}
```

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(74, 225, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 225, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 39.403, 219.485 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(74, 225, 253) }
```

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

```
.border{ border-color:rgb(74, 225, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 225, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 225, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 225, 253);  
box-shadow:4px 4px 4px 4px rgb(74, 225,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 39.403, 219.485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 225, 253) }
```

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

```
.background{ background-color: rgb(74, 225,  
253) }
```

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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