

Converting Colors

CIELCh(85, 39.183, 216.237)

Have a look what the booklet for
CIELCh(85, 39.183, 216.237)
contains.

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Color

CIELCh(85, 39.189, 216.145)

Conversions

Conversions Part 1

Format	Color
Hex	53E7FF
RGB	83, 231, 255
RGB Percent	33%, 91%, 100%
CMY	0.6760, 0.0953, 0.0012
CMYK	0.68, 0.09, 0.00, 0.00
HSL	188°, 100%, 66%
HSV	188°, 68%, 100%
XYZ	50.0265, 66.0070, 104.4575
YIQ	189.4840, -95.9120, -23.9120

Conversions

Conversions Part 2

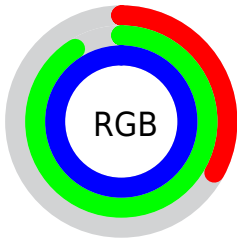
Format	Color
R_{YB}	83, 163, 255
Decimal	5498879
CIE _{Lab}	85.00, -31.65, -23.11
CIE _{LCh}	85, 39.189, 216.145
Yxy	66.0070, 0.2269, 0.2994
Android (android.graphics.Color)	4283688959 (0xFF53E7FF)
YUV	189.4840, 32.2994, -93.3865
Hunter-Lab	81.2447, -32.2667, -19.3587

Details

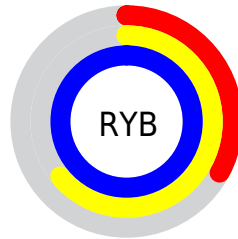
The CIELCh color **85, 39.189, 216.145** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **64, 69.053, 37.240**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.646, 197.470**, and **66, 36.483, 217.606** is the 20% darker color. If you saturate the color by 10%, you get **83, 41.580, 217.743**, and if you desaturate by 10%, it is **87, 35.768, 214.934**.

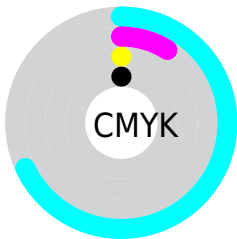
Distribution



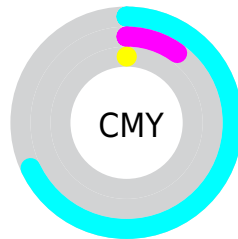
- Red (33%)
- Green (91%)
- Blue (100%)



- Red (33%)
- Yellow (64%)
- Blue (100%)



- Cyan (68%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (68%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 39.189, 216.145 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 85, 39.189, 216.145 by changing the saturation by 10% instead.


 85, 39.189,
216.145


 85, 39.189,
216.145


 100, 39.189,
216.145


 75, 39.189,
216.145

 65, 39.189,
216.145

 55, 39.189,
216.145

 45, 39.189,
216.145

 35, 39.189,
216.145

 25, 39.189,
216.145

 15, 39.189,

216.145

■ 5, 39.189, 216.145

■ 0, 39.189, 216.145

■ 85, 39.189,
216.145

■ 85, 39.189,
216.145

■ 83, 41.580,
217.743

■ 87, 35.768,
214.934

■ 82, 42.984,
219.792

■ 89, 31.354,
214.051

■ 81, 43.545,
222.322

■ 91, 26.032,
213.439

■ 81, 43.623,
222.979

■ 93, 19.918,
213.047

■ 95, 13.139,

212.838

■ 98, 5.822, 212.813

100, 0.141,
109.618

Harmonies

Complementary

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



85, 39.189, 216.145



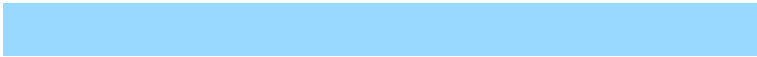
64, 69.053, 37.240

Rectangle

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



85, 39.189, 216.145



85, 39.189, 266.145



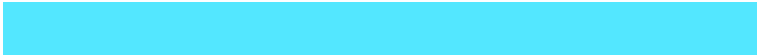
85, 39.189, 36.145



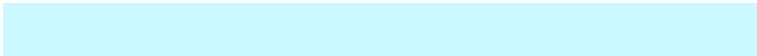
85, 39.189, 86.145

Sweetspot

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



85, 39.188, 216.144



95, 14.858, 212.874



89, 92.539, 141.539



50, 10.041, 212.927



0, 0.000, 0.000



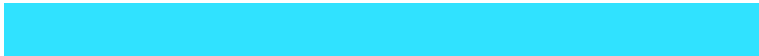
53, 0.007, 296.813

Same Dimension

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



85, 39.188, 216.144



83, 42.208, 218.395



61, 61.869, 283.255



52, 4.358, 212.798



62, 35.192, 222.462



20, 16.300, 218.907

Inverse Universe

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



64, 89.682, 332.688



61, 99.102, 333.537



81, 63.008, 78.892



50, 8.227, 329.044



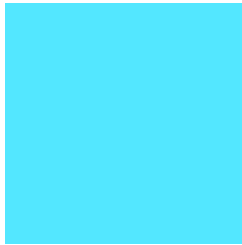
44, 83.438, 334.708



12, 38.889, 333.822

Previews

White Background



This preview shows how the CIE LCh color 85, 39.189, 216.145 looks on a white background.

Color Contrast Check

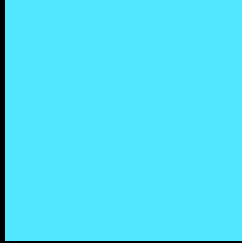
Large Text (above 18pt) WCAG AA × Fail

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 85, 39.189, 216.145 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 85, 39.189, 216.145

Background



This preview shows how black text looks on a background with the CIELCh color 85, 39.189, 216.145.

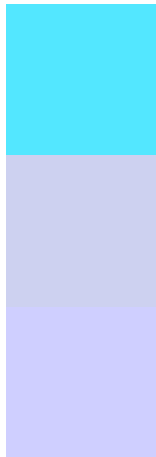


This preview shows how white text looks on a background with the CIELCh color 85, 39.189, 216.145.

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

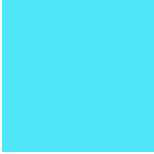
85, 39.189, 216.145

Protanopia

84, 16.371, 286.824

Deuteranopia

85, 25.318, 292.307

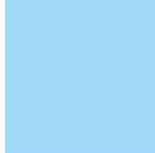


Tritanopia
85, 39.454, 211.883

Trichromacy



Original Color
85, 39.189, 216.145



Protanomaly
84, 22.687, 239.399



Deuteranomaly
84, 25.833, 251.902

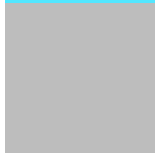


Tritanomaly
85, 39.351, 213.568

Monochromacy



Original Color
85, 39.189, 216.145



Achromatopsia
77, 0.009, 296.813



Achromatomaly
79, 18.320, 213.522

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 39.189, 216.145 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(83, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(83, 231, 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(83, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 231, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 39.189, 216.145 is called "border". The border property can be set on classes, ids or directly on the HTML element.

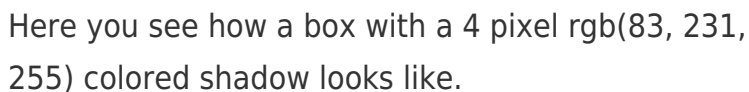
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(83, 231, 255) }
```

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

```
.border{ border-color:rgb(83, 231, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(83, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(83, 231,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 39.189, 216.145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 231, 255) }
```

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

```
.background{ background-color: rgb(83, 231,  
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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