

Converting Colors

CIELCh(85, 43.007, 212.031)

Have a look what the booklet for
CIELCh(85, 43.007, 212.031)
contains.

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Color

CIELCh(85, 43.034, 211.902)

Conversions

Conversions Part 1

Format	Color
Hex	31E9FE
RGB	49, 233, 254
RGB Percent	19%, 91%, 100%
CMY	0.8087, 0.0867, 0.0044
CMYK	0.81, 0.08, 0.00, 0.00
HSL	186°, 99%, 59%
HSV	186°, 81%, 100%
XYZ	48.2314, 66.0070, 103.8664
YIQ	180.3780, -116.4050, -32.4770

Conversions

Conversions Part 2

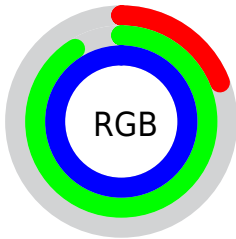
Format	Color
RYB	49, 146, 254
Decimal	3271166
CIELab	85.00, -36.53, -22.74
CIELCh	85, 43.034, 211.902
Yxy	66.0070, 0.2211, 0.3026
Android (android.graphics.Color)	4281461246 (0xFF31E9FE)
YUV	180.3780, 36.2956, -115.2185
Hunter-Lab	81.2447, -36.2107, -18.9273

Details

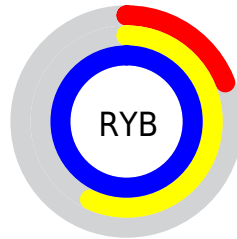
The CIELCh color **85, 43.034, 211.902** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **58, 86.126, 37.945**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.231, 197.196**, and **66, 36.699, 214.590** is the 20% darker color. If you saturate the color by 10%, you get **84, 44.077, 213.404**, and if you desaturate by 10%, it is **86, 40.984, 210.738**.

Distribution



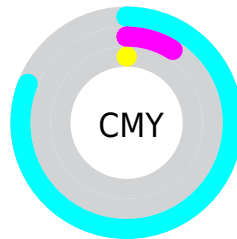
- Red (19%)
- Green (91%)
- Blue (100%)



- Red (19%)
- Yellow (57%)
- Blue (100%)



- Cyan (81%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (81%)
- Magenta (9%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 43.034, 211.902 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, 43.034, 211.902 by changing the saturation by 10% instead.


 85, 43.034,
211.902


 85, 43.034,
211.902


 100, 43.034,
211.902


 75, 43.034,
211.902

 65, 43.034,
211.902

 55, 43.034,
211.902

 45, 43.034,
211.902

 35, 43.034,
211.902

 25, 43.034,
211.902

 15, 43.034,

211.902

■ 5, 43.034, 211.902

■ 0, 43.034, 211.902

■ 85, 43.034,
211.902

■ 85, 43.034,
211.902

■ 84, 44.077,
213.404

■ 86, 40.984,
210.738

■ 83, 44.343,
215.077


■ 87, 37.867,
209.877

■ 89, 33.700,
209.277

■ 91, 28.556,
208.897

■ 93, 22.547,

208.700

 95, 15.802,
208.655

 97, 8.456, 208.753

 99, 0.635, 209.876

100, 0.554,
109.997

Harmonies

Complementary

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



85, 43.034, 211.902



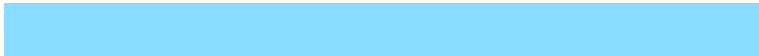
58, 86.126, 37.945

Rectangle

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



85, 43.034, 211.902



85, 43.034, 261.902



85, 43.034, 31.902



85, 43.034, 81.902

Sweetspot

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



85, 43.033, 211.901



94, 18.103, 208.654



88, 106.797, 138.837



50, 12.273, 208.670



0, 0.000, 0.000



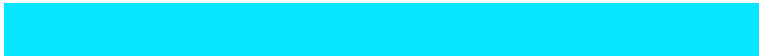
53, 0.007, 296.813

Same Dimension

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



85, 43.033, 211.901



84, 44.436, 214.521



56, 70.681, 285.538



52, 4.487, 208.778



64, 35.880, 214.721



21, 16.669, 212.257

Inverse Universe

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



61, 101.256, 331.921



59, 106.228, 332.728



77, 73.119, 73.559



50, 8.443, 327.875



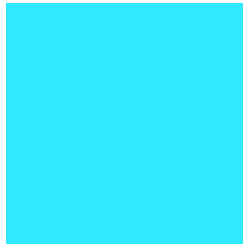
44, 85.884, 332.790



12, 39.894, 332.187

Previews

White Background



This preview shows how the CIE LCh color 85, 43.034, 211.902 looks on a white background.

Color Contrast Check

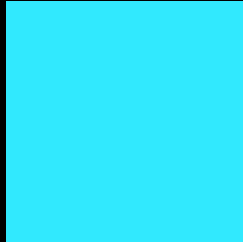
Large Text (above 18pt) WCAG AA × Fail

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, 43.034, 211.902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

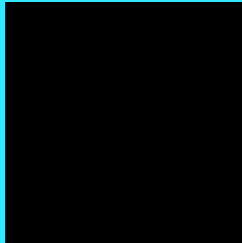
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 43.034, 211.902

Background



This preview shows how black text looks on a background with the CIELCh color 85, 43.034, 211.902.

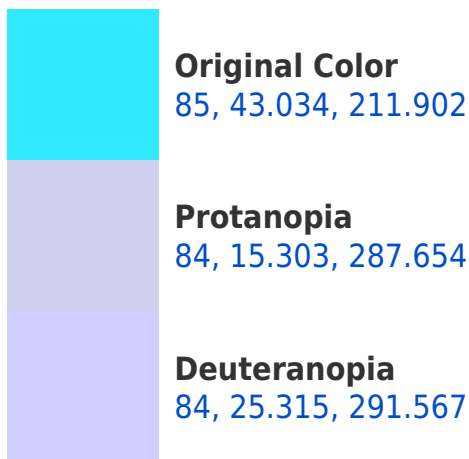


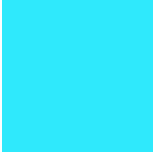
This preview shows how white text looks on a background with the CIELCh color 85, 43.034, 211.902.

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



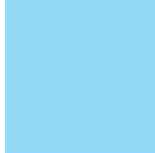


Tritanopia
85, 43.206, 210.345

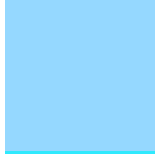
Trichromacy



Original Color
85, 43.034, 211.902



Protanomaly
83, 24.755, 232.162



Deuteranomaly
83, 28.044, 246.147

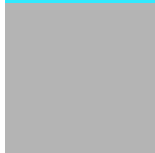


Tritanomaly
85, 43.117, 211.122

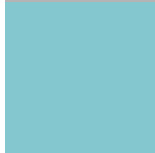
Monochromacy



Original Color
85, 43.034, 211.902



Achromatopsia
73, 0.009, 296.813



Achromatomaly
76, 21.924, 209.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 43.034, 211.902 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(49, 233, 254)` looks like.

```
.text, #text, p{  
    color:rgb(49, 233, 254)  
}
```

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(49, 233, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 233, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 43.034, 211.902 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(49, 233, 254) }
```

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

```
.border{ border-color:rgb(49, 233, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 233, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 233, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 233, 254);  
box-shadow:4px 4px 4px 4px rgb(49, 233,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 43.034, 211.902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 233, 254) }
```

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

```
.background{ background-color: rgb(49, 233,  
254) }
```

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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