

Converting Colors

CIELCh(86, 40.015, 239.689)

Have a look what the booklet for
CIELCh(86, 40.015, 239.689)
contains.

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Color

CIELCh(85, 35.665, 220.199)

Conversions

Conversions Part 1

Format	Color
Hex	69E5FF
RGB	105, 229, 255
RGB Percent	41%, 90%, 100%
CMY	0.5899, 0.1034, 0.0015
CMYK	0.59, 0.10, 0.00, 0.00
HSL	190°, 100%, 70%
HSV	190°, 59%, 100%
XYZ	51.6821, 66.0070, 104.3065
YIQ	194.8880, -82.2500, -18.2020

Conversions

Conversions Part 2

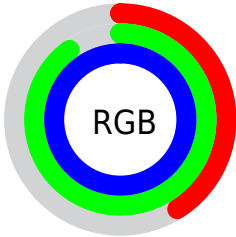
Format	Color
R_{YB}	105, 173, 255
Decimal	6940159
CIE _{Lab}	85.00, -27.24, -23.02
CIE _{LCh}	85, 35.665, 220.199
Yxy	66.0070, 0.2328, 0.2973
Android (android.graphics.Color)	4285130239 (0xFF69E5FF)
YUV	194.8880, 29.6352, -78.8318
Hunter-Lab	81.2447, -28.6293, -19.2485

Details

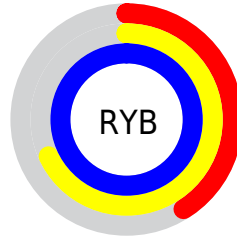
The CIELCh color **85, 35.665, 220.199** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **68, 57.379, 38.418**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 27.292, 197.735**, and **65, 35.621, 220.223** is the 20% darker color. If you saturate the color by 10%, you get **83, 38.977, 221.882**, and if you desaturate by 10%, it is **87, 31.400, 218.925**.

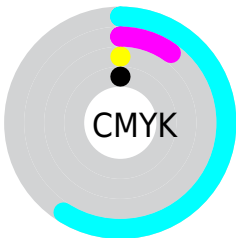
Distribution



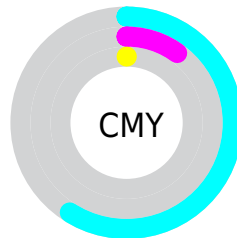
- Red (41%)
- Green (90%)
- Blue (100%)



- Red (41%)
- Yellow (68%)
- Blue (100%)



- Cyan (59%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)





- Cyan (59%)
- Magenta (10%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 35.665, 220.199 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, 35.665, 220.199 by changing the saturation by 10% instead.


 85, 35.665,
220.199


 85, 35.665,
220.199


 100, 35.665,
220.199


 75, 35.665,
220.199

 65, 35.665,
220.199

 55, 35.665,
220.199

 45, 35.665,
220.199

 35, 35.665,
220.199

 25, 35.665,
220.199

 15, 35.665,

220.199

■ 5, 35.665, 220.199

■ 0, 35.665, 220.199

■ 85, 35.665,
220.199

■ 85, 35.665,
220.199

■ 83, 38.977,
221.882

■ 87, 31.400,
218.925

■ 81, 41.321,
224.057

■ 89, 26.258,
217.989

■ 80, 42.756,
226.791

■ 92, 20.345,
217.328

■ 78, 43.478,
230.092

■ 95, 13.781,
216.890

■ 78, 43.543,

■ 97, 6.689, 216.656

230.460

100, 0.179,
109.733

Harmonies

Complementary

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



85, 35.665, 220.199



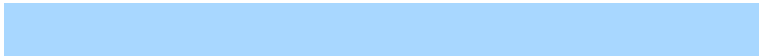
68, 57.379, 38.418

Rectangle

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



85, 35.665, 220.199



85, 35.665, 270.199



85, 35.665, 40.199



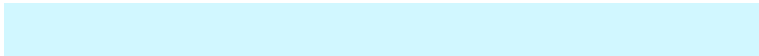
85, 35.665, 90.199

Sweetspot

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



85, 35.664, 220.198



95, 13.160, 216.859



90, 80.744, 143.738



50, 9.061, 216.961



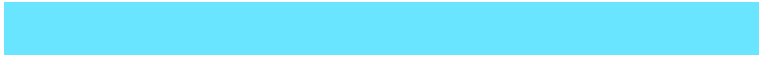
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 35.664, 220.198



83, 39.588, 222.291



65, 56.237, 282.963



52, 4.259, 216.663



60, 35.094, 229.803



20, 16.144, 225.259

Inverse Universe

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



67, 79.304, 333.471



63, 90.550, 334.338



85, 56.039, 83.103



50, 8.034, 330.167



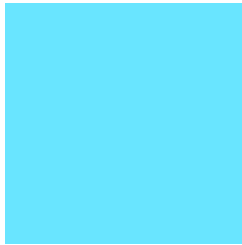
44, 81.301, 336.594



12, 38.003, 335.416

Previews

White Background



This preview shows how the CIE LCh color 85, 35.665, 220.199 looks on a white background.

Color Contrast Check

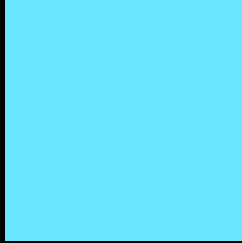
Large Text (above 18pt) WCAG AA × Fail

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, 35.665, 220.199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

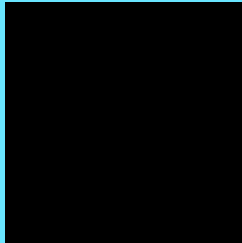
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 35.665, 220.199

Background



This preview shows how black text looks on a background with the CIELCh color 85, 35.665, 220.199.

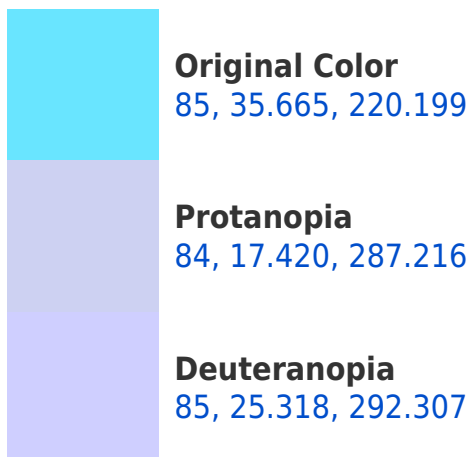


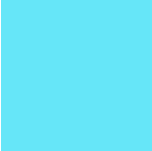
This preview shows how white text looks on a background with the CIELCh color 85, 35.665, 220.199.

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](#).

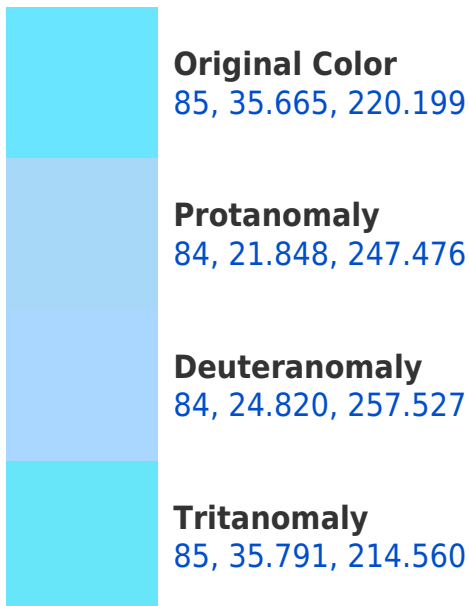
Dichromacy





Tritanopia
85, 35.895, 212.704

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 35.665, 220.199 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(105, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(105, 229, 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(105, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 229, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 35.665, 220.199 is called "border". The border property can be set on classes, ids or directly on the HTML element.

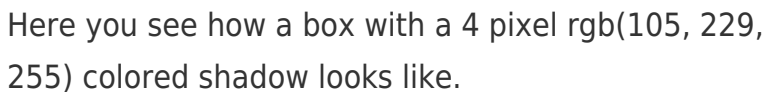
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 229, 255) }
```

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

```
.border{ border-color:rgb(105, 229, 255) }
```

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



Here you see how a box with a 4 pixel rgb(105, 229, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(105, 229,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 35.665, 220.199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 229, 255) }
```

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

```
.background{ background-color: rgb(105,  
229, 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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