

Converting Colors

CIELCh(85, 36.010, 221.504)

Have a look what the booklet for
CIELCh(85, 36.010, 221.504)
contains.

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Color

CIELCh(85, 35.994, 219.962)

Conversions

Conversions Part 1

Format	Color
Hex	67E5FF
RGB	103, 229, 255
RGB Percent	40%, 90%, 100%
CMY	0.5969, 0.1027, 0.0008
CMYK	0.60, 0.10, 0.00, 0.00
HSL	190°, 100%, 70%
HSV	190°, 60%, 100%
XYZ	51.5503, 66.0070, 104.4628
YIQ	194.2900, -83.4420, -18.6260

Conversions

Conversions Part 2

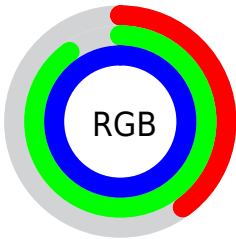
Format	Color
RYB	103, 172, 255
Decimal	6809087
CIELab	85.00, -27.59, -23.12
CIELCh	85, 35.994, 219.962
Yxy	66.0070, 0.2322, 0.2973
Android (android.graphics.Color)	4284999167 (0xFF67E5FF)
YUV	194.2900, 29.9300, -80.0613
Hunter-Lab	81.2447, -28.9189, -19.3626

Details

The CIELCh color **85, 35.994, 219.962** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **68, 58.359, 38.329**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 27.824, 197.702**, and **65, 35.970, 219.962** is the 20% darker color. If you saturate the color by 10%, you get **83, 39.232, 221.650**, and if you desaturate by 10%, it is **87, 31.795, 218.683**.

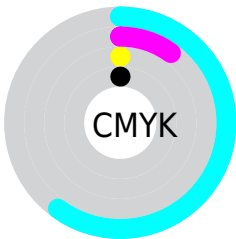
Distribution



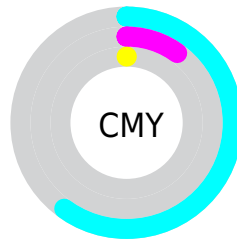
- Red (40%)
- Green (90%)
- Blue (100%)



- Red (40%)
- Yellow (67%)
- Blue (100%)



- Cyan (60%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (10%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 35.994, 219.962 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, 35.994, 219.962 by changing the saturation by 10% instead.


 85, 35.994,
219.962


 85, 35.994,
219.962


 100, 35.994,
219.962


 75, 35.994,
219.962

 65, 35.994,
219.962

 55, 35.994,
219.962

 45, 35.994,
219.962

 35, 35.994,
219.962

 25, 35.994,
219.962

 15, 35.994,

219.962

■ 5, 35.994, 219.962

■ 0, 35.994, 219.962

■ 85, 35.994,
219.962

■ 85, 35.994,
219.962

■ 83, 39.232,
221.650

■ 87, 31.795,
218.683

■ 81, 41.497,
223.829

■ 89, 26.710,
217.745

■ 80, 42.857,
226.567

■ 92, 20.841,
217.082

■ 78, 43.530,
229.849

■ 94, 14.311,
216.643

■ 78, 43.550,

■ 97, 7.240, 216.404

229.964

100, 0.066, 93.195

100, 0.089,
109.304

Harmonies

Complementary

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



85, 35.994, 219.962



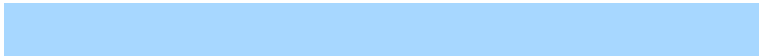
68, 58.359, 38.329

Rectangle

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



85, 35.994, 219.962



85, 35.994, 269.962



85, 35.994, 39.962



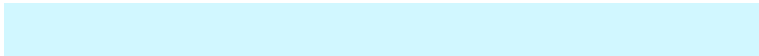
85, 35.994, 89.962

Sweetspot

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



85, 35.993, 219.961



95, 13.178, 216.589



90, 81.658, 143.635



50, 9.073, 216.687



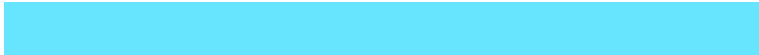
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 35.993, 219.961



83, 39.872, 222.114



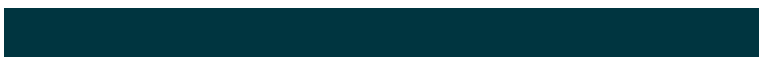
64, 57.014, 283.187



52, 4.265, 216.403



60, 35.084, 229.314



20, 16.149, 224.834

Inverse Universe

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



67, 80.244, 333.433



63, 91.444, 334.314



85, 56.762, 82.991



50, 8.046, 330.092



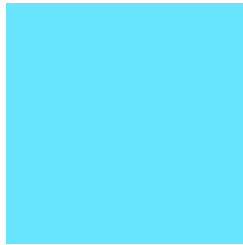
44, 81.439, 336.465



12, 38.060, 335.308

Previews

White Background



This preview shows how the CIE LCh color 85, 35.994, 219.962 looks on a white background.

Color Contrast Check

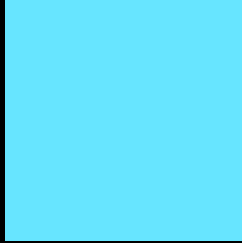
Large Text (above 18pt) WCAG AA × Fail

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, 35.994, 219.962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

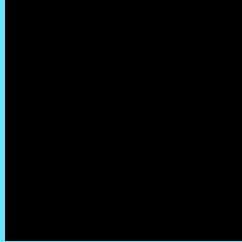
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 35.994, 219.962

Background



This preview shows how black text looks on a background with the CIELCh color 85, 35.994, 219.962.

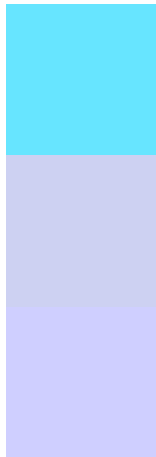


This preview shows how white text looks on a background with the CIELCh color 85, 35.994, 219.962.

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, 35.994, 219.962

Protanopia

84, 17.420, 287.216

Deuteranopia

85, 25.318, 292.307



Tritanopia
85, 36.236, 212.535

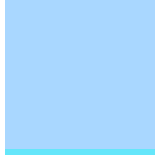
Trichromacy



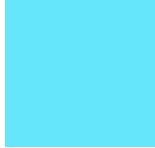
Original Color
85, 35.994, 219.962



Protanomaly
84, 21.848, 247.476



Deuteranomaly
84, 24.971, 256.964

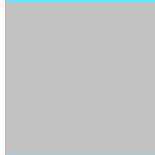


Tritanomaly
85, 36.130, 214.374

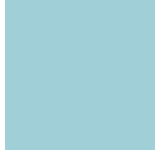
Monochromacy



Original Color
85, 35.994, 219.962



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 15.977, 215.942

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 35.994, 219.962 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(103, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 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(103, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 229, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 35.994, 219.962 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(103, 229, 255) }
```

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

```
.border{ border-color:rgb(103, 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(103, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 229,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 35.994, 219.962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 229, 255) }
```

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

```
.background{ background-color: rgb(103,  
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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