

Converting Colors

CIELCh(85, 34.029, 222.467)

Have a look what the booklet for
CIELCh(85, 34.029, 222.467)
contains.

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Color

CIELCh(85, 34.029, 222.467)

Conversions

Conversions Part 1

Format	Color
Hex	72E4FF
RGB	114, 228, 255
RGB Percent	45%, 89%, 100%
CMY	0.5546, 0.1074, 0.0016
CMYK	0.55, 0.11, 0.00, 0.00
HSL	191°, 99%, 72%
HSV	191°, 55%, 100%
XYZ	52.4990, 66.0070, 104.2358
YIQ	196.9920, -76.6110, -15.7710

Conversions

Conversions Part 2

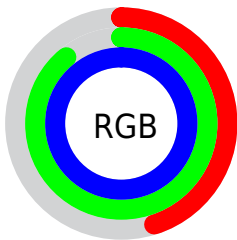
Format	Color
RYB	114, 177, 255
Decimal	7529727
CIELab	85.00, -25.10, -22.98
CIElCh	85, 34.029, 222.467
Yxy	66.0070, 0.2357, 0.2963
Android (android.graphics.Color)	4285719807 (0xFF72E4FF)
YUV	196.9920, 28.5979, -72.7840
Hunter-Lab	81.2447, -26.8344, -19.1969

Details

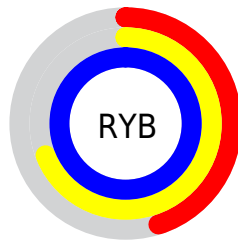
The CIELCh color **85, 34.029, 222.467** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **70, 52.656, 39.517**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 25.386, 197.852**, and **65, 33.949, 222.645** is the 20% darker color. If you saturate the color by 10%, you get **83, 37.719, 224.209**, and if you desaturate by 10%, it is **87, 29.438, 221.143**.

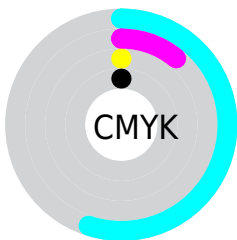
Distribution



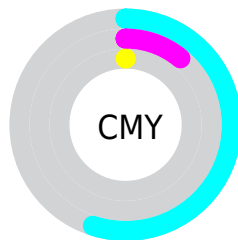
- Red (45%)
- Green (89%)
- Blue (100%)



- Red (45%)
- Yellow (69%)
- Blue (100%)



- Cyan (55%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (55%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 34.029, 222.467 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, 34.029, 222.467 by changing the saturation by 10% instead.


 85, 34.029,
222.467

 85, 34.029,
222.467


 100, 34.029,
222.467


 75, 34.029,
222.467

 65, 34.029,
222.467

 55, 34.029,
222.467

 45, 34.029,
222.467

 35, 34.029,
222.467

 25, 34.029,
222.467

 15, 34.029,

222.467

■ 5, 34.029, 222.467

■ 0, 34.029, 222.467

■ 85, 34.029,
222.467

■ 85, 34.029,
222.467

■ 83, 37.719,
224.209

■ 87, 29.438,
221.143

■ 81, 40.473,
226.457

■ 90, 24.030,
220.163

■ 79, 42.330,
229.291

■ 92, 17.916,
219.461

■ 78, 43.423,
232.759

■ 95, 11.212,
218.986

■ 77, 43.785,

■ 98, 4.033, 218.763

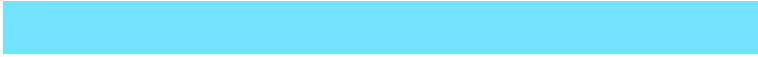
234.511

100, 0.196,
109.768

Harmonies

Complementary

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



85, 34.029, 222.467



70, 52.656, 39.517

Rectangle

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



85, 34.029, 222.467



85, 34.029, 272.467



85, 34.029, 42.467



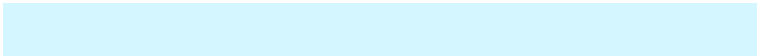
85, 34.029, 92.467

Sweetspot

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



85, 34.028, 222.466



95, 12.340, 219.048



90, 75.560, 144.739



50, 8.204, 219.134



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, 34.028, 222.466



83, 37.960, 224.331



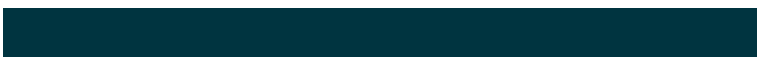
66, 53.928, 283.120



52, 4.214, 218.810



59, 35.262, 233.786



19, 16.136, 228.741

Inverse Universe

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



69, 74.508, 333.951



64, 85.324, 334.751



86, 53.240, 85.005



50, 7.931, 330.794



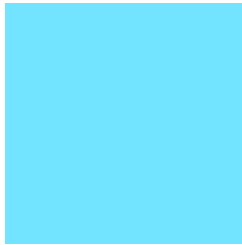
43, 80.194, 337.664



11, 37.540, 336.315

Previews

White Background



This preview shows how the CIE LCh color 85, 34.029, 222.467 looks on a white background.

Color Contrast Check

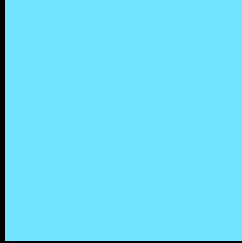
Large Text (above 18pt) WCAG AA × Fail

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, 34.029, 222.467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

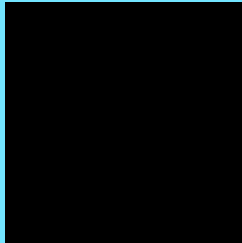
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 34.029, 222.467

Background



This preview shows how black text looks on a background with the CIELCh color 85, 34.029, 222.467.

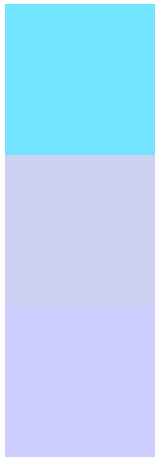


This preview shows how white text looks on a background with the CIELCh color 85, 34.029, 222.467.

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, 34.029, 222.467

Protanopia
84, 17.420, 287.216

Deuteranopia
85, 25.318, 292.307



Tritanopia
85, 34.074, 213.663

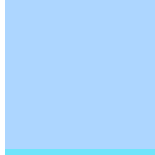
Trichromacy



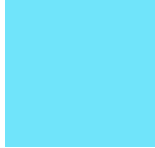
Original Color
85, 34.029, 222.467



Protanomaly
84, 21.096, 249.882



Deuteranomaly
84, 24.680, 260.641

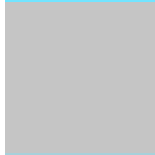


Tritanomaly
85, 33.911, 217.612

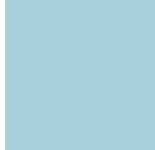
Monochromacy



Original Color
85, 34.029, 222.467



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 14.630, 219.936

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 34.029, 222.467 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(114, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(114, 228, 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(114, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 228, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 34.029, 222.467 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(114, 228, 255) }
```

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

```
.border{ border-color:rgb(114, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(114, 228,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 34.029, 222.467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 228, 255) }
```

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

```
.background{ background-color: rgb(114,  
228, 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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