

Converting Colors

CIELCh(85, 33.334, 224.767)

Have a look what the booklet for
CIELCh(85, 33.334, 224.767)
contains.

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Color

CIELCh(85, 33.242, 224.198)

Conversions

Conversions Part 1

Format	Color
Hex	76E3FF
RGB	118, 227, 255
RGB Percent	46%, 89%, 100%
CMY	0.5372, 0.1098, 0.0000
CMYK	0.54, 0.11, 0.00, 0.00
HSL	192°, 100%, 73%
HSV	192°, 54%, 100%
XYZ	52.9880, 66.0070, 104.5520
YIQ	197.6010, -73.9520, -14.4000

Conversions

Conversions Part 2

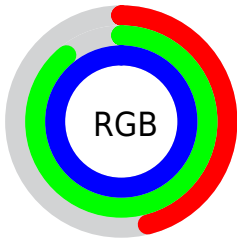
Format	Color
R_{YB}	118, 179, 255
Decimal	7791615
CIE _{Lab}	85.00, -23.83, -23.17
CIE _{LCh}	85, 33.242, 224.198
Yxy	66.0070, 0.2370, 0.2953
Android (android.graphics.Color)	4285981695 (0xFF76E3FF)
YUV	197.6010, 28.2977, -69.8101
Hunter-Lab	81.2447, -25.7601, -19.4277

Details

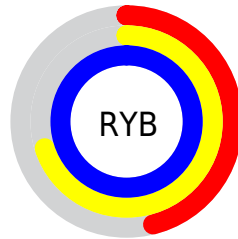
The CIELCh color **85, 33.242, 224.198** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **72, 50.426, 40.468**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 24.270, 197.921**, and **65, 33.197, 224.450** is the 20% darker color. If you saturate the color by 10%, you get **83, 37.124, 226.010**, and if you desaturate by 10%, it is **87, 28.490, 222.814**.

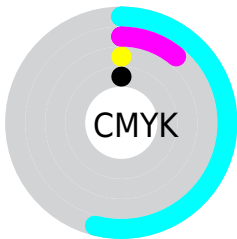
Distribution



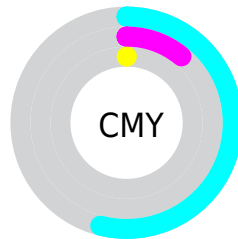
- Red (46%)
- Green (89%)
- Blue (100%)



- Red (46%)
- Yellow (70%)
- Blue (100%)



- Cyan (54%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (54%)
- Magenta (11%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 33.242, 224.198 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, 33.242, 224.198 by changing the saturation by 10% instead.


 85, 33.242,
224.198


 85, 33.242,
224.198


 100, 33.242,
224.198


 75, 33.242,
224.198

 65, 33.242,
224.198

 55, 33.242,
224.198

 45, 33.242,
224.198

 35, 33.242,
224.198

 25, 33.242,
224.198

 15, 33.242,

224.198

■ 5, 33.242, 224.198

■ 0, 33.242, 224.198

■ 85, 33.242,
224.198

■ 85, 33.242,
224.198

■ 83, 37.124,
226.010

■ 87, 28.490,
222.814

■ 81, 40.099,
228.343

■ 90, 22.958,
221.782

■ 79, 42.195,
231.279

■ 93, 16.753,
221.033

■ 77, 43.535,
234.872

■ 96, 9.991, 220.519

■ 76, 44.139,

■ 99, 2.781, 220.318

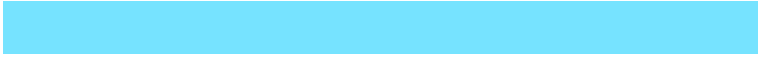
237.399

100, 0.010,
297.750

Harmonies

Complementary

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



85, 33.242, 224.198



72, 50.426, 40.468

Rectangle

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



85, 33.242, 224.198



85, 33.242, 274.198



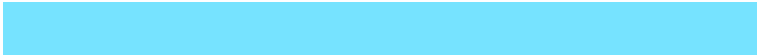
85, 33.242, 44.198



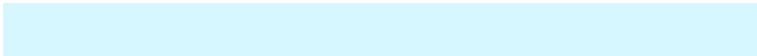
85, 33.242, 94.198

Sweetspot

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



85, 33.241, 224.196



95, 11.573, 220.616



91, 72.722, 145.494



50, 7.766, 220.714



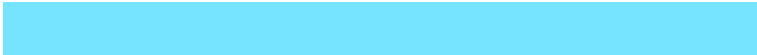
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 33.241, 224.196



83, 37.219, 226.067



66, 53.504, 283.808



52, 4.186, 220.372



58, 35.479, 236.625



19, 16.165, 231.244

Inverse Universe

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



69, 72.083, 334.357



65, 82.776, 335.159



87, 52.293, 86.586



50, 7.858, 331.252



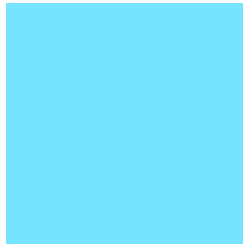
43, 79.422, 338.454



11, 37.216, 336.977

Previews

White Background



This preview shows how the CIE LCh color 85, 33.242, 224.198 looks on a white background.

Color Contrast Check

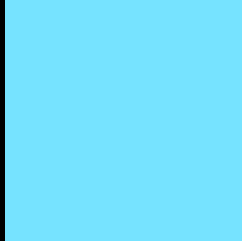
Large Text (above 18pt) WCAG AA × Fail

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, 33.242, 224.198 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, 33.242, 224.198

Background



This preview shows how black text looks on a background with the CIELCh color 85, 33.242, 224.198.

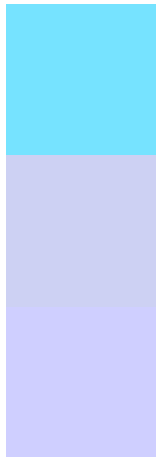


This preview shows how white text looks on a background with the CIELCh color 85, 33.242, 224.198.

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, 33.242, 224.198

Protanopia

85, 17.944, 287.398

Deuteranopia

85, 25.318, 292.307

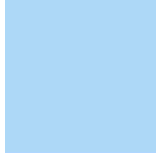


Tritanopia
85, 33.151, 215.169

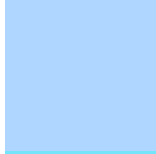
Trichromacy



Original Color
85, 33.242, 224.198



Protanomaly
84, 20.912, 250.516



Deuteranomaly
84, 24.406, 261.849

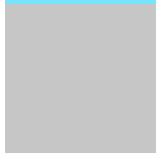


Tritanomaly
85, 33.164, 218.128

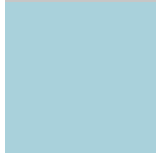
Monochromacy



Original Color
85, 33.242, 224.198



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 14.330, 220.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 33.242, 224.198 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(118, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(118, 227, 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(118, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 227, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 33.242, 224.198 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(118, 227, 255) }
```

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

```
.border{ border-color:rgb(118, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(118, 227,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 33.242, 224.198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 227, 255) }
```

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

```
.background{ background-color: rgb(118,  
227, 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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