

Converting Colors

CIELCh(86, 36.699, 214.895)

Have a look what the booklet for
CIELCh(86, 36.699, 214.895)
contains.

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Color

CIELCh(86, 36.751, 214.897)

Conversions

Conversions Part 1

Format	Color
Hex	65E9FE
RGB	101, 233, 254
RGB Percent	40%, 91%, 100%
CMY	0.6053, 0.0875, 0.0051
CMYK	0.60, 0.08, 0.00, 0.01
HSL	188°, 98%, 69%
HSV	188°, 60%, 99%
XYZ	52.2192, 67.9871, 103.8781
YIQ	195.9260, -85.4130, -21.4530

Conversions

Conversions Part 2

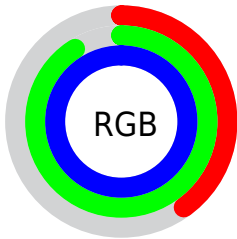
Format	Color
RYB	101, 172, 254
Decimal	6679038
CIELab	86.00, -30.14, -21.03
CIELCh	86, 36.751, 214.897
Yxy	67.9871, 0.2330, 0.3034
Android (android.graphics.Color)	4284869118 (0xFF65E9FE)
YUV	195.9260, 28.6305, -83.2501
Hunter-Lab	82.4543, -31.2490, -16.9771

Details

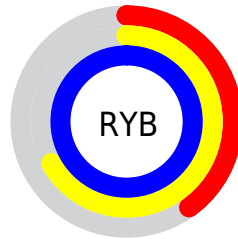
The CIELCh color **86, 36.751, 214.897** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **66, 60.187, 35.994**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 28.089, 197.686**, and **66, 36.699, 214.590** is the 20% darker color. If you saturate the color by 10%, you get **84, 39.878, 216.177**, and if you desaturate by 10%, it is **88, 32.614, 213.953**.

Distribution



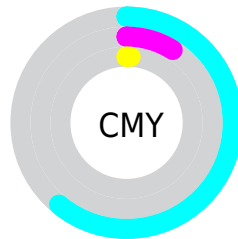
- Red (40%)
- Green (91%)
- Blue (100%)



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



- Cyan (60%)
- Magenta (8%)
- Yellow (0%)
- Black (1%)





- Cyan (61%)
- Magenta (9%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 36.751, 214.897 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 86, 36.751, 214.897 by changing the saturation by 10% instead.


 86, 36.751,
214.897


 86, 36.751,
214.897


 100, 36.751,
214.897


 76, 36.751,
214.897

 66, 36.751,
214.897

 56, 36.751,
214.897

 46, 36.751,
214.897

 36, 36.751,
214.897

 26, 36.751,
214.897

 16, 36.751,

214.897

■ 6, 36.751, 214.897

■ 0, 36.751, 214.897

■ 86, 36.751,
214.897

■ 86, 36.751,
214.897

■ 84, 39.878,
216.177

■ 88, 32.614,
213.953

■ 83, 41.981,
217.859

■ 90, 27.542,
213.291

■ 82, 43.122,
219.996

■ 92, 21.644,
212.859

■ 81, 43.521,
222.483

■ 94, 15.047,
212.616

■ 97, 7.878, 212.544

99, 0.257, 215.040

100, 0.651,
110.010

Harmonies

Complementary

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



86, 36.751, 214.897



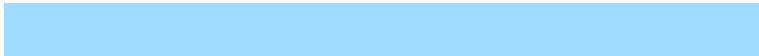
66, 60.187, 35.994

Rectangle

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



86, 36.751, 214.897



86, 36.751, 264.897



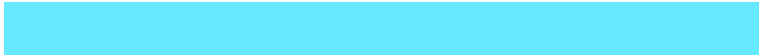
86, 36.751, 34.897



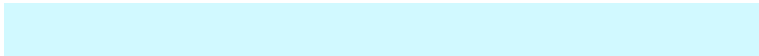
86, 36.751, 84.897

Sweetspot

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



86, 36.750, 214.896



95, 13.481, 212.584



89, 84.066, 142.564



50, 9.279, 212.626



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 36.750, 214.896



85, 40.463, 216.432



65, 54.738, 280.868



52, 4.365, 212.548



62, 35.217, 221.981



20, 16.317, 218.493

Inverse Universe

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



67, 82.505, 332.150



63, 93.565, 332.873



83, 56.173, 80.040



50, 8.240, 328.972



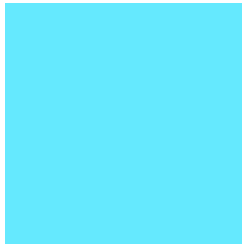
44, 83.584, 334.587



12, 38.949, 333.719

Previews

White Background



This preview shows how the CIE LCh color 86, 36.751, 214.897 looks on a white background.

Color Contrast Check

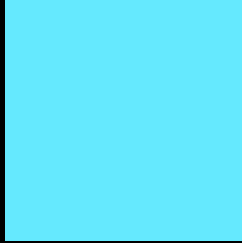
Large Text (above 18pt) WCAG AA × Fail

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 86, 36.751, 214.897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

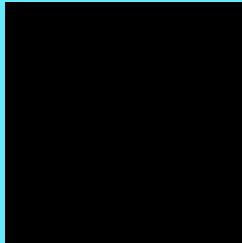
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 36.751, 214.897

Background



This preview shows how black text looks on a background with the CIELCh color 86, 36.751, 214.897.

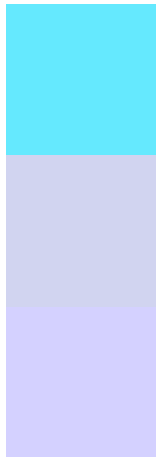


This preview shows how white text looks on a background with the CIELCh color 86, 36.751, 214.897.

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

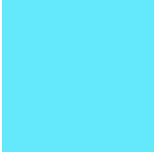
86, 36.751, 214.897

Protanopia

85, 14.739, 287.446

Deuteranopia

85, 24.257, 294.541



Tritanopia
86, 36.845, 213.092

Trichromacy



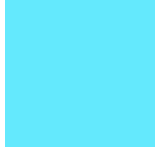
Original Color
86, 36.751, 214.897



Protanomaly
85, 20.274, 239.266



Deuteranomaly
85, 23.719, 254.386

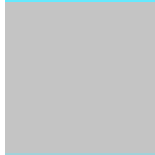


Tritanomaly
86, 36.876, 213.950

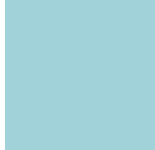
Monochromacy



Original Color
86, 36.751, 214.897



Achromatopsia
79, 0.010, 296.813



Achromatomaly
81, 16.457, 213.405

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 36.751, 214.897 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(101, 233, 254)` looks like.

```
.text, #text, p{  
    color:rgb(101, 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(101, 233, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 233, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 36.751, 214.897 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(101, 233, 254) }
```

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

```
.border{ border-color:rgb(101, 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(101, 233, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 233, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 233, 254);  
box-shadow:4px 4px 4px 4px rgb(101, 233,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 36.751, 214.897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 233, 254) }
```

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

```
.background{ background-color: rgb(101,  
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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