

Converting Colors

CIELCh(85, 37.272, 211.583)

Have a look what the booklet for
CIELCh(85, 37.272, 211.583)
contains.

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Color

CIELCh(85, 37.219, 212.066)

Conversions

Conversions Part 1

Format	Color
Hex	5EE6F8
RGB	94, 230, 248
RGB Percent	37%, 90%, 97%
CMY	0.6296, 0.0966, 0.0260
CMYK	0.62, 0.07, 0.00, 0.03
HSL	187°, 92%, 67%
HSV	187°, 62%, 97%
XYZ	50.0657, 66.0070, 99.2169
YIQ	191.3880, -86.8340, -23.2340

Conversions

Conversions Part 2

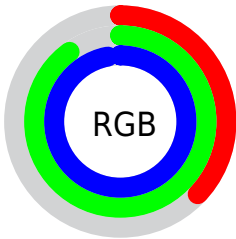
Format	Color
R _Y B	94, 166, 248
Decimal	6219512
CIE Lab	85.00, -31.54, -19.76
CIE LCh	85, 37.219, 212.066
Yxy	66.0070, 0.2326, 0.3066
Android (android.graphics.Color)	4284409592 (0xFF5EE6F8)
YUV	191.3880, 27.9097, -85.4093
Hunter-Lab	81.2447, -32.1805, -15.5343

Details

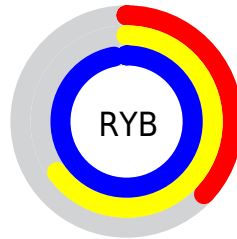
The CIELCh color **85, 37.219, 212.066** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **64, 61.872, 34.885**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 29.902, 197.576**, and **65, 36.226, 212.993** is the 20% darker color. If you saturate the color by 10%, you get **84, 40.143, 213.140**, and if you desaturate by 10%, it is **87, 33.272, 211.288**.

Distribution



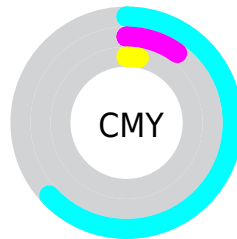
- Red (37%)
- Green (90%)
- Blue (97%)



- Red (37%)
- Yellow (65%)
- Blue (97%)



- Cyan (62%)
- Magenta (7%)
- Yellow (0%)
- Black (3%)





- Cyan (63%)
- Magenta (10%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 37.219, 212.066 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, 37.219, 212.066 by changing the saturation by 10% instead.


 85, 37.219,
212.066


 85, 37.219,
212.066


 100, 37.219,
212.066


 75, 37.219,
212.066

 65, 37.219,
212.066

 55, 37.219,
212.066

 45, 37.219,
212.066

 35, 37.219,
212.066

 25, 37.219,
212.066

 15, 37.219,

212.066

■ 5, 37.219, 212.066

■ 0, 37.219, 212.066

■ 85, 37.219,
212.066

■ 85, 37.219,
212.066

■ 84, 40.143,
213.140

■ 87, 33.272,
211.288

■ 82, 42.039,
214.564

■ 88, 28.372,
210.762

■ 81, 42.976,
216.381

■ 90, 22.622,
210.444

■ 81, 43.209,
218.102

■ 92, 16.147,
210.297

■ 95, 9.076, 210.303

97, 1.533, 210.735

99, 1.905, 57.528

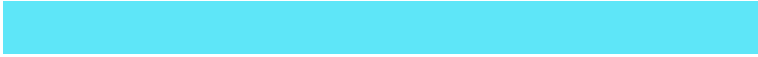
99, 2.686, 99.496

100, 3.346,
109.905

Harmonies

Complementary

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



85, 37.219, 212.066



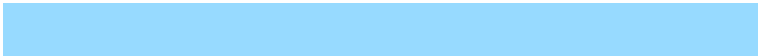
64, 61.872, 34.885

Rectangle

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



85, 37.219, 212.066



85, 37.219, 262.066



85, 37.219, 32.066



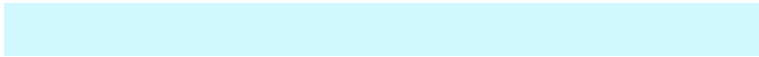
85, 37.219, 82.066

Sweetspot

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



85, 37.218, 212.065



95, 14.406, 210.283



87, 85.495, 141.878



50, 9.820, 210.296



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, 37.218, 212.065



85, 41.450, 213.413



63, 53.979, 280.031



51, 4.361, 210.331



63, 35.189, 217.691



20, 16.075, 214.670

Inverse Universe

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



65, 83.934, 331.480



63, 96.363, 332.162



80, 56.289, 78.329



49, 8.220, 328.326



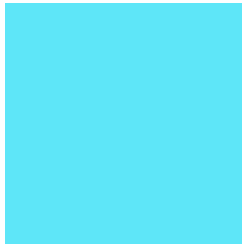
44, 84.072, 333.521



11, 38.479, 332.778

Previews

White Background



This preview shows how the CIE LCh color 85, 37.219, 212.066 looks on a white background.

Color Contrast Check

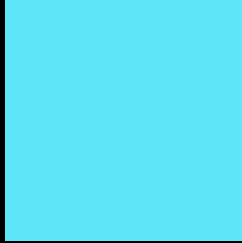
Large Text (above 18pt) WCAG AA × Fail

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, 37.219, 212.066 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, 37.219, 212.066

Background



This preview shows how black text looks on a background with the CIELCh color 85, 37.219, 212.066.

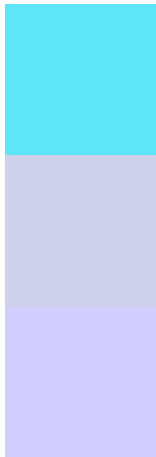


This preview shows how white text looks on a background with the CIELCh color 85, 37.219, 212.066.

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](#).

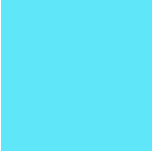
Dichromacy



Original Color
85, 37.219, 212.066

Protanopia
84, 13.713, 288.481

Deuteranopia
84, 25.392, 295.286

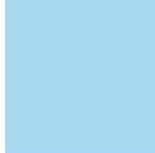


Tritanopia
85, 37.080, 212.998

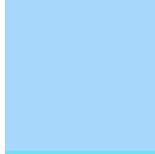
Trichromacy



Original Color
85, 37.219, 212.066



Protanomaly
84, 19.962, 236.184



Deuteranomaly
84, 23.923, 253.892

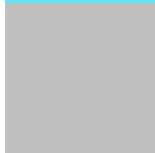


Tritanomaly
85, 37.080, 212.998

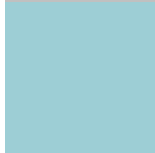
Monochromacy



Original Color
85, 37.219, 212.066



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 16.704, 211.282

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 37.219, 212.066 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(94, 230, 248)` looks like.

```
.text, #text, p{  
    color:rgb(94, 230, 248)  
}
```

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(94, 230, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 230, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 37.219, 212.066 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(94, 230, 248) }
```

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

```
.border{ border-color:rgb(94, 230, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 230, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 230, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 230, 248);  
box-shadow:4px 4px 4px 4px rgb(94, 230,  
248) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 37.219, 212.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 230, 248) }
```

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

```
.background{ background-color: rgb(94, 230,  
248) }
```

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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