

Converting Colors

CIELCh(87, 35.747, 214.996)

Have a look what the booklet for
CIELCh(87, 35.747, 214.996)
contains.

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Color

CIELCh(87, 35.734, 214.546)

Conversions

Conversions Part 1

Format	Color
Hex	6DEBFF
RGB	109, 235, 255
RGB Percent	43%, 92%, 100%
CMY	0.5718, 0.0778, 0.0000
CMYK	0.57, 0.08, 0.00, 0.00
HSL	188°, 100%, 71%
HSV	188°, 57%, 100%
XYZ	54.1632, 70.0064, 105.4088
YIQ	199.6060, -81.5160, -20.4920

Conversions

Conversions Part 2

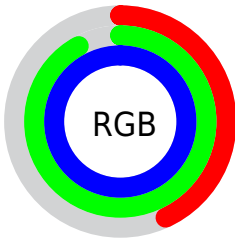
Format	Color
RYB	109, 177, 255
Decimal	7203839
CIELab	87.00, -29.43, -20.26
CIElCh	87, 35.734, 214.546
Yxy	70.0064, 0.2359, 0.3049
Android (android.graphics.Color)	4285393919 (0xFF6DEBFF)
YUV	199.6060, 27.3092, -79.4615
Hunter-Lab	83.6698, -30.8713, -16.1258

Details

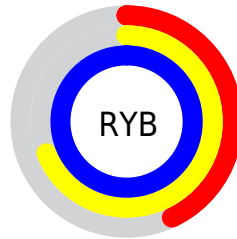
The CIELCh color **87, 35.734, 214.546** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **68, 56.721, 35.484**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 26.483, 197.785**, and **67, 35.732, 214.167** is the 20% darker color. If you saturate the color by 10%, you get **85, 39.190, 215.549**, and if you desaturate by 10%, it is **89, 31.266, 213.556**.

Distribution



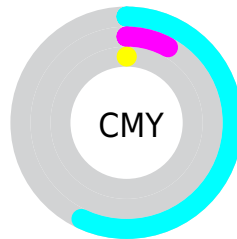
- Red (43%)
- Green (92%)
- Blue (100%)



- Red (43%)
- Yellow (69%)
- Blue (100%)



- Cyan (57%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (57%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 35.734, 214.546 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 87, 35.734, 214.546 by changing the saturation by 10% instead.

■ 87, 35.734,
214.546

■ 87, 35.734,
214.546

■ 100, 35.734,
214.546

■ 77, 35.734,
214.546

■ 67, 35.734,
214.546

■ 57, 35.734,
214.546

■ 47, 35.734,
214.546

■ 37, 35.734,
214.546

■ 27, 35.734,
214.546

■ 17, 35.734,

214.546

■ 7, 35.734, 214.546

■ 0, 35.734, 214.546

■ 87, 35.734,
214.546

■ 87, 35.734,
214.546

■ 85, 39.190,
215.549

■ 89, 31.266,
213.556

■ 84, 41.620,
217.082

■ 91, 25.896,
212.981

■ 83, 43.052,
219.051

■ 93, 19.735,
212.620

■ 81, 43.622,
221.492

■ 96, 12.911,
212.438

■ 81, 43.707,

■ 98, 5.550, 212.439

222.233

100, 0.012,
296.813

Harmonies

Complementary

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



87, 35.734, 214.546



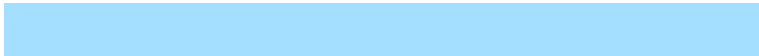
68, 56.721, 35.484

Rectangle

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



87, 35.734, 214.546



87, 35.734, 264.546



87, 35.734, 34.546



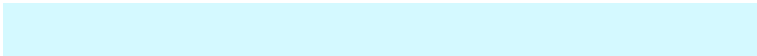
87, 35.734, 84.546

Sweetspot

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



87, 35.726, 214.394



96, 12.783, 212.436



90, 80.603, 142.988



50, 8.496, 212.459



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

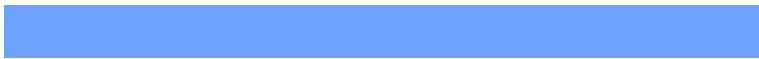
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 35.726, 214.394



85, 39.709, 215.798



67, 51.976, 279.901



52, 4.369, 212.416



62, 35.231, 221.727



20, 16.326, 218.275

Inverse Universe

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



68, 79.467, 331.911



64, 91.219, 332.639



84, 53.426, 80.518



50, 8.247, 328.933



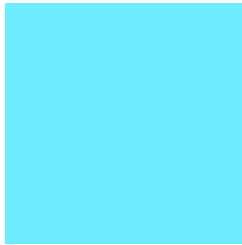
44, 83.660, 334.524



12, 38.981, 333.665

Previews

White Background



This preview shows how the CIE LCh color 87, 35.734, 214.546 looks on a white background.

Color Contrast Check

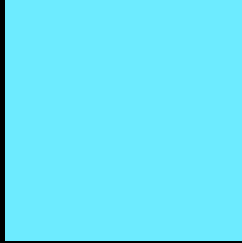
Large Text (above 18pt) WCAG AA × Fail

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 87, 35.734, 214.546 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 87, 35.734, 214.546

Background



This preview shows how black text looks on a background with the CIELCh color 87, 35.734, 214.546.

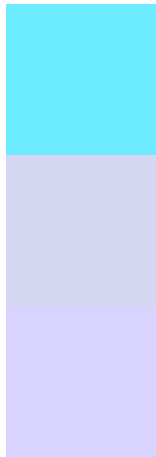


This preview shows how white text looks on a background with the CIELCh color 87, 35.734, 214.546.

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

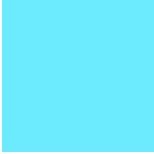
87, 35.734, 214.546

Protanopia

87, 14.164, 288.601

Deuteranopia

86, 22.646, 295.413



Tritanopia
87, 35.694, 213.665

Trichromacy



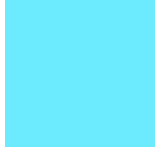
Original Color
87, 35.734, 214.546



Protanomaly
86, 19.596, 240.931



Deuteranomaly
86, 22.406, 254.347

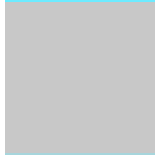


Tritanomaly
87, 35.694, 213.665

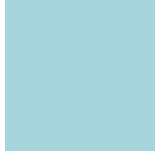
Monochromacy



Original Color
87, 35.734, 214.546



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 15.752, 212.078

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 35.734, 214.546 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(109, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(109, 235, 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(109, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 235, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 35.734, 214.546 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(109, 235, 255) }
```

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

```
.border{ border-color:rgb(109, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(109, 235,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 35.734, 214.546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 235, 255) }
```

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

```
.background{ background-color: rgb(109,  
235, 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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