

Converting Colors

CIELCh(86, 35.180, 217.831)

Have a look what the booklet for
CIELCh(86, 35.180, 217.831)
contains.

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Color

CIELCh(86, 35.314, 217.584)

Conversions

Conversions Part 1

Format	Color
Hex	6DE8FF
RGB	109, 232, 255
RGB Percent	43%, 91%, 100%
CMY	0.5738, 0.0913, 0.0011
CMYK	0.57, 0.09, 0.00, 0.00
HSL	189°, 100%, 71%
HSV	189°, 57%, 100%
XYZ	53.0490, 67.9871, 104.6930
YIQ	197.8450, -80.6910, -18.9230

Conversions

Conversions Part 2

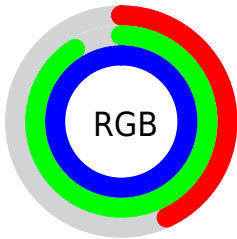
Format	Color
R _Y B	109, 176, 255
Decimal	7203071
CIE Lab	86.00, -27.98, -21.54
CIE LCh	86, 35.314, 217.584
Yxy	67.9871, 0.2350, 0.3012
Android (android.graphics.Color)	4285393151 (0xFF6DE8FF)
YUV	197.8450, 28.1774, -77.9171
Hunter-Lab	82.4543, -29.4527, -17.5631

Details

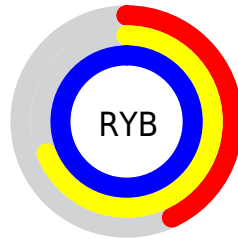
The CIELCh color **86, 35.314, 217.584** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **69, 56.066, 37.071**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 26.483, 197.785**, and **66, 35.274, 217.417** is the 20% darker color. If you saturate the color by 10%, you get **84, 38.762, 219.003**, and if you desaturate by 10%, it is **88, 30.897, 216.527**.

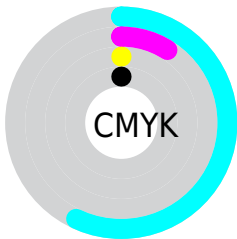
Distribution



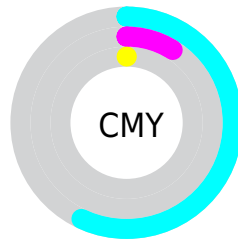
- Red (43%)
- Green (91%)
- Blue (100%)



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



- Cyan (57%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (57%)
- Magenta (9%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 35.314, 217.584 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, 35.314, 217.584 by changing the saturation by 10% instead.


 86, 35.314,
217.584


 86, 35.314,
217.584


 100, 35.314,
217.584


 76, 35.314,
217.584

 66, 35.314,
217.584

 56, 35.314,
217.584

 46, 35.314,
217.584

 36, 35.314,
217.584

 26, 35.314,
217.584

 16, 35.314,

217.584

■ 6, 35.314, 217.584

■ 0, 35.314, 217.584

■ 86, 35.314,
217.584

■ 86, 35.314,
217.584

■ 84, 38.762,
219.003

■ 88, 30.897,
216.527

■ 83, 41.211,
220.861

■ 90, 25.597,
215.772

■ 81, 42.703,
223.222

■ 93, 19.527,
215.260

■ 80, 43.383,
226.125

■ 95, 12.811,
214.949

■ 79, 43.503,

■ 98, 5.572, 214.837

226.953

100, 0.133,
109.587

Harmonies

Complementary

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



86, 35.314, 217.584



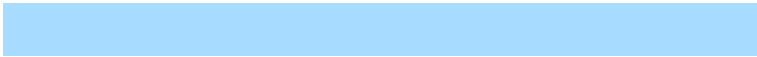
69, 56.066, 37.071

Rectangle

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



86, 35.314, 217.584



86, 35.314, 267.584



86, 35.314, 37.584



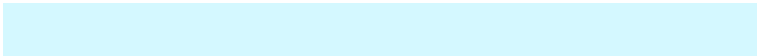
86, 35.314, 87.584

Sweetspot

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



86, 35.313, 217.583



95, 12.592, 214.942



90, 79.786, 143.458



50, 8.370, 214.988



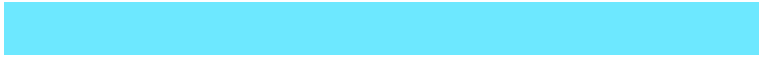
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

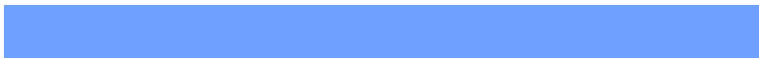
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86, 35.313, 217.583



84, 39.275, 219.282



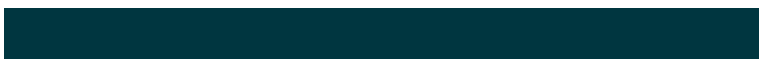
66, 53.341, 281.243



52, 4.302, 214.838



61, 35.074, 226.359



20, 16.194, 222.270

Inverse Universe

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



68, 78.425, 332.739



64, 89.906, 333.522



85, 54.015, 81.934



50, 8.123, 329.637



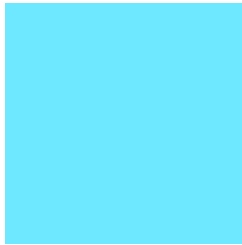
44, 82.285, 335.698



12, 38.412, 334.660

Previews

White Background



This preview shows how the CIE LCh color 86, 35.314, 217.584 looks on a white background.

Color Contrast Check

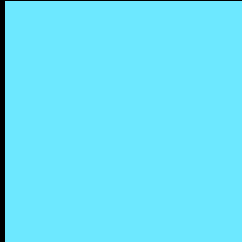
Large Text (above 18pt) WCAG AA × Fail

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, 35.314, 217.584 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, 35.314, 217.584

Background



This preview shows how black text looks on a background with the CIELCh color 86, 35.314, 217.584.



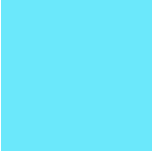
This preview shows how white text looks on a background with the CIELCh color 86, 35.314, 217.584.

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





Tritanopia
86, 35.450, 213.820

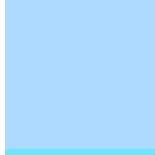
Trichromacy



Original Color
86, 35.314, 217.584



Protanomaly
85, 20.386, 245.252



Deuteranomaly
85, 23.396, 255.560

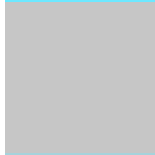


Tritanomaly
86, 35.314, 214.808

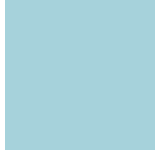
Monochromacy



Original Color
86, 35.314, 217.584



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 15.365, 216.660

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 35.314, 217.584 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, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(109, 232, 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, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 232, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 35.314, 217.584 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, 232, 255) }
```

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

```
.border{ border-color:rgb(109, 232, 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, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(109, 232,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 35.314, 217.584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 232, 255) }
```

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

```
.background{ background-color: rgb(109,  
232, 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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