

Converting Colors

CIELCh(87, 39.235, 236.485)

Have a look what the booklet for
CIELCh(87, 39.235, 236.485)
contains.

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Color

CIELCh(86, 35.661, 217.361)

Conversions

Conversions Part 1

Format	Color
Hex	6BE8FF
RGB	107, 232, 255
RGB Percent	42%, 91%, 100%
CMY	0.5808, 0.0906, 0.0004
CMYK	0.58, 0.09, 0.00, 0.00
HSL	189°, 100%, 71%
HSV	189°, 58%, 100%
XYZ	52.9101, 67.9871, 104.8546
YIQ	197.2470, -81.8830, -19.3470

Conversions

Conversions Part 2

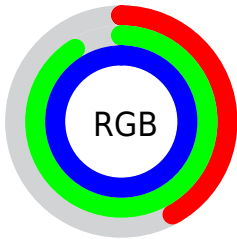
Format	Color
RYB	107, 175, 255
Decimal	7071999
CIELab	86.00, -28.34, -21.64
CIELCh	86, 35.661, 217.361
Yxy	67.9871, 0.2344, 0.3012
Android (android.graphics.Color)	4285262079 (0xFF6BE8FF)
YUV	197.2470, 28.4722, -79.1466
Hunter-Lab	82.4543, -29.7533, -17.6792

Details

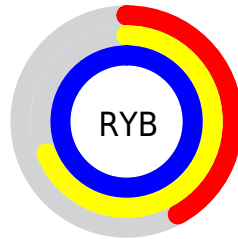
The CIELCh color **86, 35.661, 217.361** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **68, 57.046, 37.001**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 26.754, 197.768**, and **66, 35.655, 217.164** is the 20% darker color. If you saturate the color by 10%, you get **84, 39.036, 218.784**, and if you desaturate by 10%, it is **88, 31.309, 216.301**.

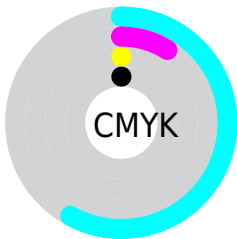
Distribution



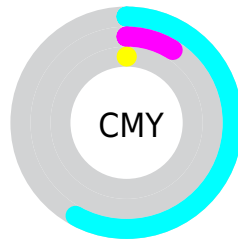
- Red (42%)
- Green (91%)
- Blue (100%)



- Red (42%)
- Yellow (69%)
- Blue (100%)



- Cyan (58%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (58%)
- Magenta (9%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 35.661, 217.361 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, 35.661, 217.361 by changing the saturation by 10% instead.


 86, 35.661,
217.361


 86, 35.661,
217.361


 100, 35.661,
217.361


 76, 35.661,
217.361

 66, 35.661,
217.361

 56, 35.661,
217.361

 46, 35.661,
217.361

 36, 35.661,
217.361

 26, 35.661,
217.361

 16, 35.661,

217.361

■ 6, 35.661, 217.361

■ 0, 35.661, 217.361

■ 86, 35.661,
217.361

■ 86, 35.661,
217.361

■ 84, 39.036,
218.784

■ 88, 31.309,
216.301

■ 83, 41.407,
220.645

■ 90, 26.064,
215.543

■ 81, 42.824,
223.008

■ 93, 20.037,
215.029

■ 80, 43.447,
225.900

■ 95, 13.352,
214.717

■ 80, 43.531,

■ 98, 6.134, 214.598

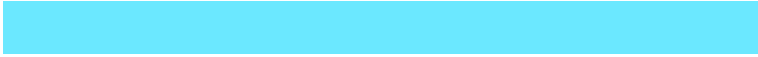
226.491

100, 0.040,
108.254

Harmonies

Complementary

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



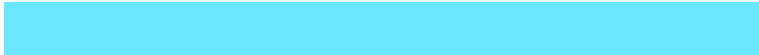
86, 35.661, 217.361



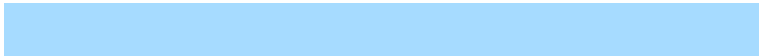
68, 57.046, 37.001

Rectangle

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



86, 35.661, 217.361



86, 35.661, 267.361



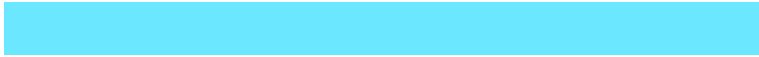
86, 35.661, 37.361



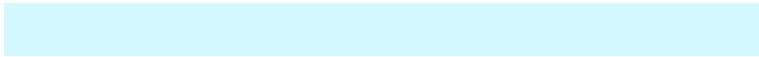
86, 35.661, 87.361

Sweetspot

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



86, 35.660, 217.360



95, 12.610, 214.694



90, 80.728, 143.357



50, 8.381, 214.739



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, 35.660, 217.360



84, 39.585, 219.108



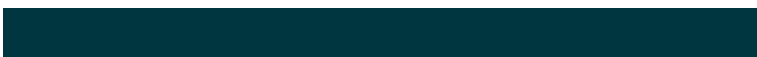
66, 54.095, 281.466



52, 4.309, 214.599



61, 35.080, 225.904



20, 16.204, 221.877

Inverse Universe

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



68, 79.393, 332.707



63, 90.854, 333.502



85, 54.746, 81.822



50, 8.135, 329.567



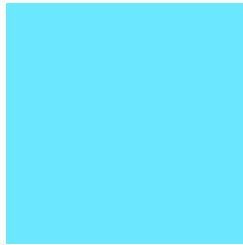
44, 82.418, 335.581



12, 38.467, 334.561

Previews

White Background



This preview shows how the CIE LCh color 86, 35.661, 217.361 looks on a white background.

Color Contrast Check

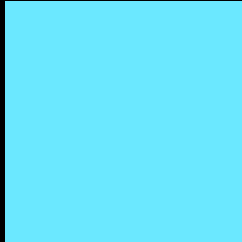
Large Text (above 18pt) WCAG AA × Fail

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, 35.661, 217.361 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, 35.661, 217.361

Background



This preview shows how black text looks on a background with the CIELCh color 86, 35.661, 217.361.

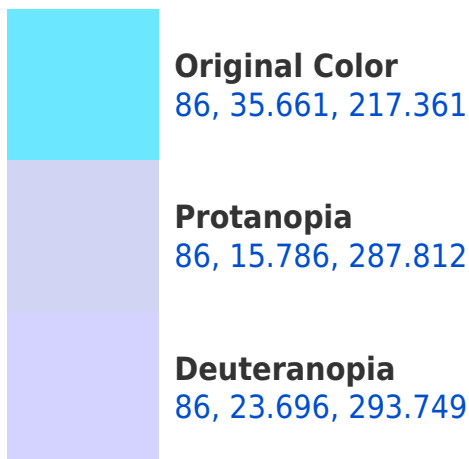


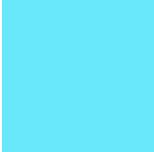
This preview shows how white text looks on a background with the CIELCh color 86, 35.661, 217.361.

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, 35.801, 213.634

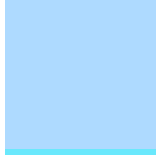
Trichromacy



Original Color
86, 35.661, 217.361



Protanomaly
85, 20.589, 244.652



Deuteranomaly
85, 23.396, 255.560

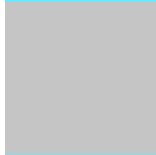


Tritanomaly
86, 35.666, 214.611

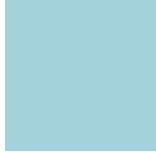
Monochromacy



Original Color
86, 35.661, 217.361



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 15.856, 214.017

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 35.661, 217.361 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(107, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 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(107, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 232, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 35.661, 217.361 is called "border". The border property can be set on classes, ids or directly on the HTML element.

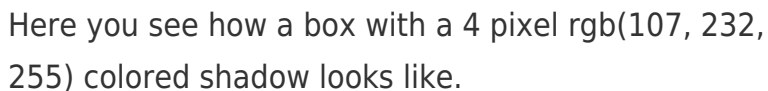
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 232, 255) }
```

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

```
.border{ border-color:rgb(107, 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(107, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 232,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 35.661, 217.361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 232, 255) }
```

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

```
.background{ background-color: rgb(107,  
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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