

Converting Colors

CIELCh(87, 44.024, 246.499)

Have a look what the booklet for
CIELCh(87, 44.024, 246.499)
contains.

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Color

CIELCh(86, 36.375, 217.831)

Conversions

Conversions Part 1

Format	Color
Hex	67E8FF
RGB	103, 232, 255
RGB Percent	40%, 91%, 100%
CMY	0.5948, 0.0896, 0.0000
CMYK	0.59, 0.09, 0.00, 0.00
HSL	189°, 100%, 70%
HSV	189°, 59%, 100%
XYZ	52.7615, 67.9871, 105.9248
YIQ	196.0510, -84.2670, -20.1950

Conversions

Conversions Part 2

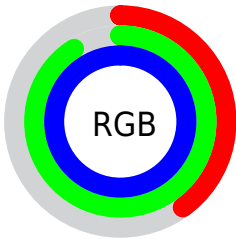
Format	Color
RYB	103, 173, 255
Decimal	6809855
CIELab	86.00, -28.73, -22.31
CIElCh	86, 36.375, 217.831
Yxy	67.9871, 0.2328, 0.2999
Android (android.graphics.Color)	4284999935 (0xFF67E8FF)
YUV	196.0510, 29.0619, -81.6057
Hunter-Lab	82.4543, -30.0750, -18.4488

Details

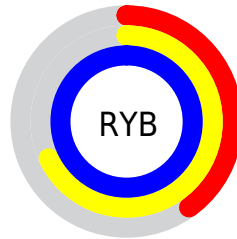
The CIELCh color **86, 36.375, 217.831** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **67, 58.914, 36.834**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 27.824, 197.702**, and **66, 36.329, 216.727** is the 20% darker color. If you saturate the color by 10%, you get **84, 39.529, 218.254**, and if you desaturate by 10%, it is **88, 32.077, 215.774**.

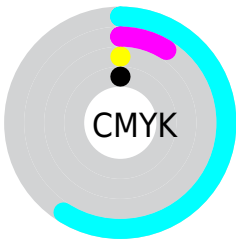
Distribution



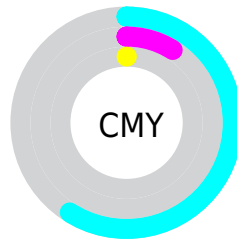
- Red (40%)
- Green (91%)
- Blue (100%)



- Red (40%)
- Yellow (68%)
- Blue (100%)



- Cyan (59%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (59%)
- Magenta (9%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 36.375, 217.831 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, 36.375, 217.831 by changing the saturation by 10% instead.


 86, 36.375,
217.831


 86, 36.375,
217.831


 100, 36.375,
217.831


 76, 36.375,
217.831

 66, 36.375,
217.831

 56, 36.375,
217.831

 46, 36.375,
217.831

 36, 36.375,
217.831

 26, 36.375,
217.831

 16, 36.375,

217.831

■ 6, 36.375, 217.831

■ 0, 36.375, 217.831

■ 86, 36.375,
217.831

■ 86, 36.375,
217.831

■ 84, 39.529,
218.254

■ 88, 32.077,
215.774

■ 83, 41.750,
220.111

■ 90, 26.941,
215.017

■ 81, 43.019,
222.462

■ 92, 21.001,
214.505

■ 80, 43.542,
225.308

■ 95, 14.381,
214.195

■ 80, 43.563,

■ 97, 7.207, 214.069

225.462

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.



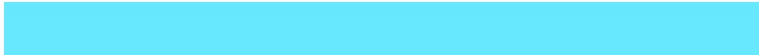
86, 36.375, 217.831



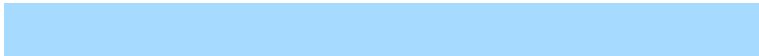
67, 58.914, 36.834

Rectangle

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



86, 36.375, 217.831



86, 36.375, 267.831



86, 36.375, 37.831



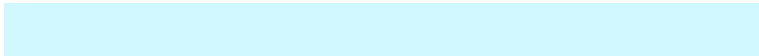
86, 36.375, 87.831

Sweetspot

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



86, 36.298, 216.832



95, 13.352, 214.165



90, 82.449, 143.163



50, 9.191, 214.229



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, 36.298, 216.832



84, 39.932, 218.507



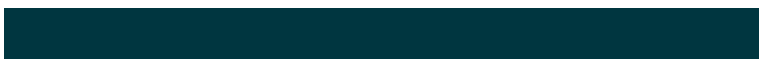
65, 55.499, 281.897



52, 4.322, 214.069



61, 35.101, 224.894



20, 16.228, 221.004

Inverse Universe

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



67, 81.196, 332.618



63, 91.939, 333.373



84, 56.099, 81.608



50, 8.162, 329.413



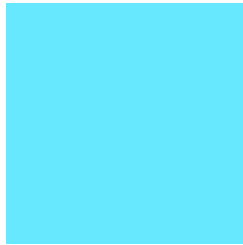
44, 82.713, 335.323



12, 38.589, 334.343

Previews

White Background



This preview shows how the CIE LCh color 86, 36.375, 217.831 looks on a white background.

Color Contrast Check

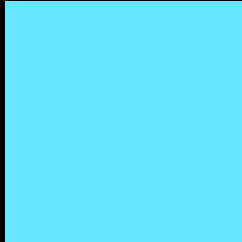
Large Text (above 18pt) WCAG AA × Fail

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, 36.375, 217.831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

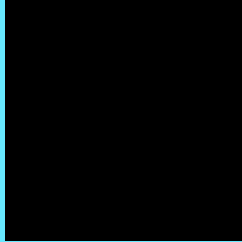
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 36.375, 217.831

Background



This preview shows how black text looks on a background with the CIELCh color 86, 36.375, 217.831.

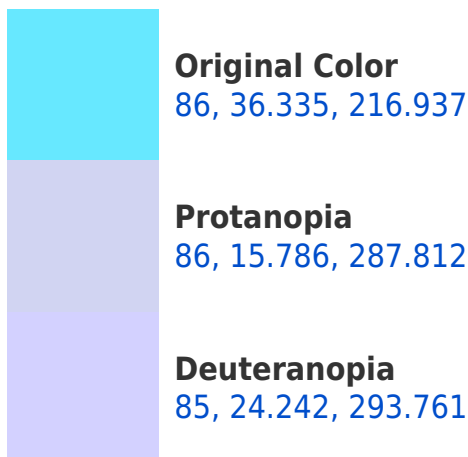


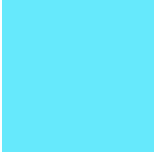
This preview shows how white text looks on a background with the CIELCh color 86, 36.375, 217.831.

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, 36.512, 213.259

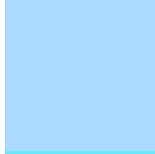
Trichromacy



Original Color
86, 36.335, 216.937



Protanomaly
85, 20.793, 244.066



Deuteranomaly
85, 23.972, 255.847

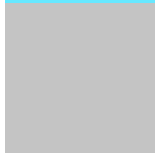


Tritanomaly
86, 36.545, 214.124

Monochromacy



Original Color
86, 36.335, 216.937



Achromatopsia
79, 0.010, 296.813



Achromatomaly
81, 16.161, 213.707

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 36.375, 217.831 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(103, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 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(103, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 232, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 36.375, 217.831 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(103, 232, 255) }
```

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

```
.border{ border-color:rgb(103, 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(103, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 232,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 36.375, 217.831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 232, 255) }
```

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

```
.background{ background-color: rgb(103,  
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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