

Converting Colors

CIELCh(86, 33.389, 214.995)

Have a look what the booklet for
CIELCh(86, 33.389, 214.995)
contains.

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Color

CIELCh(86, 33.389, 214.995)

Conversions

Conversions Part 1

Format	Color
Hex	75E7FA
RGB	117, 231, 250
RGB Percent	46%, 91%, 98%
CMY	0.5402, 0.0933, 0.0187
CMYK	0.53, 0.08, 0.00, 0.02
HSL	189°, 93%, 72%
HSV	189°, 53%, 98%
XYZ	53.2939, 67.9871, 100.9360
YIQ	199.0800, -74.0430, -18.2590

Conversions

Conversions Part 2

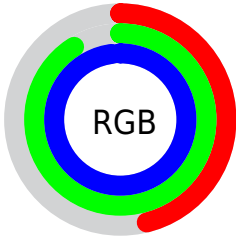
Format	Color
RYB	117, 178, 250
Decimal	7727098
CIELab	86.00, -27.35, -19.15
CIELCh	86, 33.389, 214.995
Yxy	67.9871, 0.2398, 0.3059
Android (android.graphics.Color)	4285917178 (0xFF75E7FA)
YUV	199.0800, 25.1036, -71.9842
Hunter-Lab	82.4543, -28.9225, -14.8616

Details

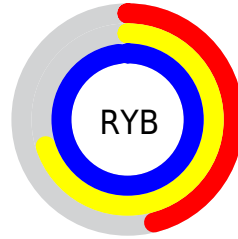
The CIELCh color **86, 33.389, 214.995** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **69, 50.927, 35.498**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 24.551, 197.904**, and **66, 33.354, 215.653** is the 20% darker color. If you saturate the color by 10%, you get **84, 37.203, 216.086**, and if you desaturate by 10%, it is **88, 28.632, 214.207**.

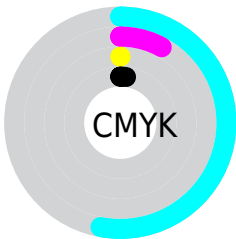
Distribution



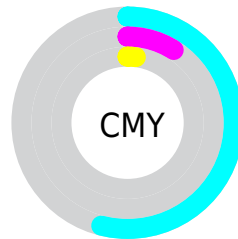
- Red (46%)
- Green (91%)
- Blue (98%)



- Red (46%)
- Yellow (70%)
- Blue (98%)



- Cyan (53%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)



- Cyan (54%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 33.389, 214.995 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, 33.389, 214.995 by changing the saturation by 10% instead.

■ 86, 33.389,
214.995

■ 86, 33.389,
214.995

■ 100, 33.389,
214.995

■ 76, 33.389,
214.995

■ 66, 33.389,
214.995

■ 56, 33.389,
214.995

■ 46, 33.389,
214.995

■ 36, 33.389,
214.995

■ 26, 33.389,
214.995

■ 16, 33.389,

214.995

■ 6, 33.389, 214.995

■ 0, 33.389, 214.995

■ 86, 33.389,
214.995

■ 86, 33.389,
214.995

■ 84, 37.203,
216.086

■ 88, 28.632,
214.207

■ 83, 40.018,
217.549

■ 90, 23.034,
213.673

■ 81, 41.836,
219.444

■ 92, 16.713,
213.345

■ 80, 42.749,
221.825

■ 95, 9.797, 213.192

■ 79, 43.004,

■ 97, 2.406, 213.343

223.705

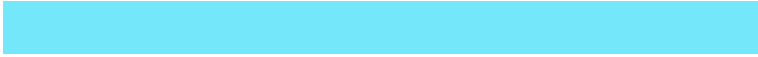
99, 1.473, 76.264

100, 2.413,
109.966

Harmonies

Complementary

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



86, 33.389, 214.995



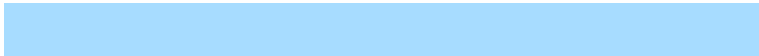
69, 50.927, 35.498

Rectangle

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



86, 33.389, 214.995



86, 33.389, 264.995



86, 33.389, 34.995



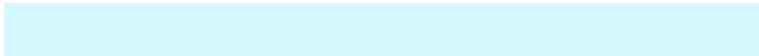
86, 33.389, 84.995

Sweetspot

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



86, 33.388, 214.993



96, 12.008, 213.218



89, 74.393, 143.522



51, 8.056, 213.246



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, 33.388, 214.993



86, 38.046, 216.205



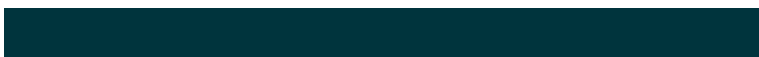
68, 47.436, 278.700



51, 4.275, 213.184



61, 34.809, 223.173



19, 15.855, 219.347

Inverse Universe

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



69, 73.304, 331.912



66, 86.252, 332.601



84, 48.809, 81.130



49, 8.072, 329.155



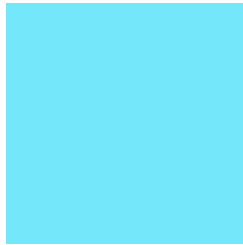
43, 82.396, 334.887



11, 37.804, 333.931

Previews

White Background



This preview shows how the CIE LCh color 86, 33.389, 214.995 looks on a white background.

Color Contrast Check

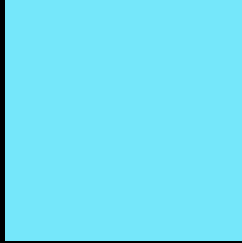
Large Text (above 18pt) WCAG AA × Fail

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, 33.389, 214.995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

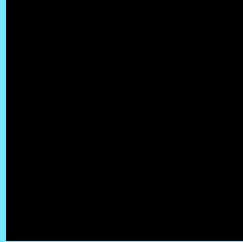
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 33.389, 214.995

Background



This preview shows how black text looks on a background with the CIELCh color 86, 33.389, 214.995.

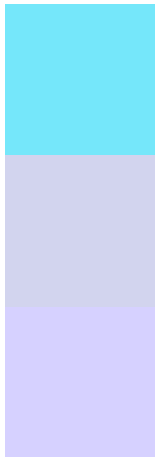


This preview shows how white text looks on a background with the CIELCh color 86, 33.389, 214.995.

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
86, 33.389, 214.995

Protanopia
85, 13.677, 288.464

Deuteranopia
86, 24.301, 296.102

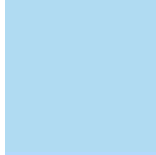


Tritanopia
86, 33.389, 214.995

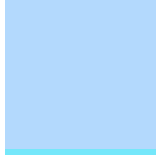
Trichromacy



Original Color
86, 33.389, 214.995



Protanomaly
85, 18.125, 240.801



Deuteranomaly
85, 22.060, 258.521

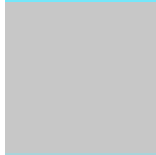


Tritanomaly
86, 33.389, 214.995

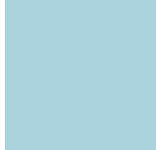
Monochromacy



Original Color
86, 33.389, 214.995



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 14.556, 213.323

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 33.389, 214.995 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(117, 231, 250)` looks like.

```
.text, #text, p{  
    color:rgb(117, 231, 250)  
}
```

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(117, 231, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 231, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 33.389, 214.995 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(117, 231, 250) }
```

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

```
.border{ border-color:rgb(117, 231, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 231, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 231, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 231, 250);  
box-shadow:4px 4px 4px 4px rgb(117, 231,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 33.389, 214.995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 231, 250) }
```

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

```
.background{ background-color: rgb(117,  
231, 250) }
```

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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