

Converting Colors

CIELCh(86, 31.123, 219.302)

Have a look what the booklet for
CIELCh(86, 31.123, 219.302)
contains.

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Color

CIELCh(86, 31.116, 218.570)

Conversions

Conversions Part 1

Format	Color
Hex	80E6FB
RGB	128, 230, 251
RGB Percent	50%, 90%, 98%
CMY	0.4989, 0.0989, 0.0166
CMYK	0.49, 0.08, 0.00, 0.02
HSL	190°, 94%, 74%
HSV	190°, 49%, 98%
XYZ	54.4753, 67.9871, 101.3265
YIQ	201.8960, -67.5330, -15.0930

Conversions

Conversions Part 2

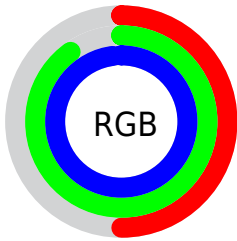
Format	Color
R _Y B	128, 184, 251
Decimal	8447739
CIE Lab	86.00, -24.33, -19.40
CIE LCh	86, 31.116, 218.570
Yxy	67.9871, 0.2434, 0.3038
Android (android.graphics.Color)	4286637819 (0xFF80E6FB)
YUV	201.8960, 24.2083, -64.8068
Hunter-Lab	82.4543, -26.3649, -15.1423

Details

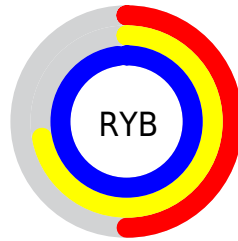
The CIELCh color **86, 31.116, 218.570** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **72, 45.514, 37.336**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.978, 198.063**, and **66, 30.997, 218.430** is the 20% darker color. If you saturate the color by 10%, you get **84, 35.319, 219.817**, and if you desaturate by 10%, it is **88, 26.041, 217.653**.

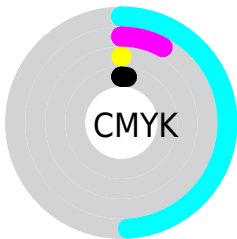
Distribution



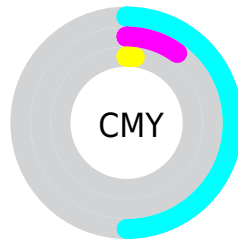
- Red (50%)
- Green (90%)
- Blue (98%)



- Red (50%)
- Yellow (72%)
- Blue (98%)



- Cyan (49%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)





- Cyan (50%)
- Magenta (10%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 31.116, 218.570 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, 31.116, 218.570 by changing the saturation by 10% instead.


 86, 31.116,
218.570


 86, 31.116,
218.570


 100, 31.116,
218.570


 76, 31.116,
218.570

 66, 31.116,
218.570

 56, 31.116,
218.570

 46, 31.116,
218.570

 36, 31.116,
218.570

 26, 31.116,
218.570

 16, 31.116,

218.570

■ 6, 31.116, 218.570

■ 0, 31.116, 218.570

■ 86, 31.116,
218.570

■ 86, 31.116,
218.570

■ 84, 35.319,
219.817

■ 88, 26.041,
217.653

■ 82, 38.580,
221.471

■ 91, 20.201,
217.008

■ 80, 40.879,
223.608

■ 93, 13.717,
216.584

■ 79, 42.277,
226.298

■ 96, 6.706, 216.362

■ 77, 42.968,

■ 99, 0.719, 35.217

229.543

100, 2.135,

109.982

■ 77, 43.023,
229.863

Harmonies

Complementary

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



86, 31.116, 218.570



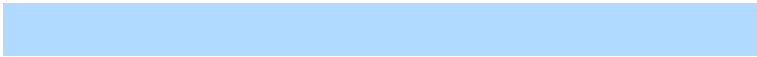
72, 45.514, 37.336

Rectangle

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



86, 31.116, 218.570



86, 31.116, 268.570



86, 31.116, 38.570



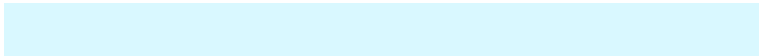
86, 31.116, 88.570

Sweetspot

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



86, 31.115, 218.568



96, 11.083, 216.468



90, 67.639, 145.047



50, 7.514, 216.525



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

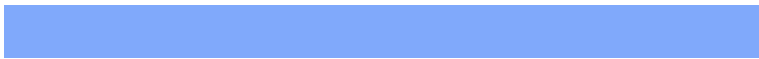
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86, 31.115, 218.568



85, 35.771, 219.817



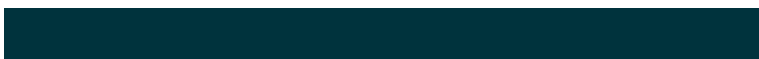
69, 45.788, 280.163



51, 4.196, 216.366



60, 34.733, 229.212



19, 15.727, 224.532

Inverse Universe

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



71, 67.199, 332.687



67, 79.610, 333.374



86, 45.997, 84.563



49, 7.916, 330.080



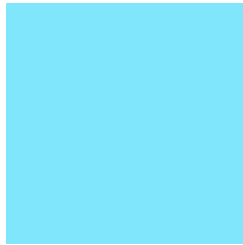
43, 80.657, 336.438



11, 37.099, 335.231

Previews

White Background



This preview shows how the CIE LCh color 86, 31.116, 218.570 looks on a white background.

Color Contrast Check

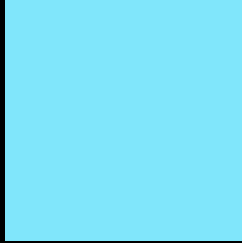
Large Text (above 18pt) WCAG AA × Fail

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, 31.116, 218.570 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, 31.116, 218.570

Background



This preview shows how black text looks on a background with the CIELCh color 86, 31.116, 218.570.

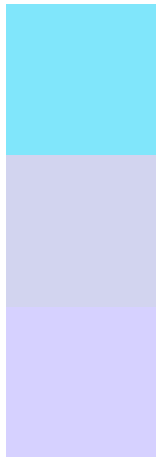


This preview shows how white text looks on a background with the CIELCh color 86, 31.116, 218.570.

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, 31.116, 218.570

Protanopia

86, 14.201, 288.618

Deuteranopia

86, 24.301, 296.102



Tritanopia
86, 31.160, 216.431

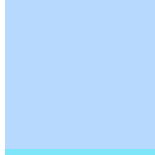
Trichromacy



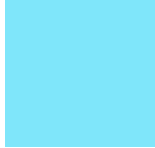
Original Color
86, 31.116, 218.570



Protanomaly
85, 17.730, 246.966



Deuteranomaly
85, 21.472, 261.291

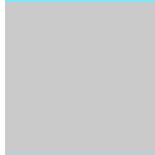


Tritanomaly
86, 31.237, 217.425

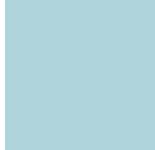
Monochromacy



Original Color
86, 31.116, 218.570



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 13.136, 217.498

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 31.116, 218.570 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(128, 230, 251)` looks like.

```
.text, #text, p{  
    color:rgb(128, 230, 251)  
}
```

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(128, 230, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 230, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 31.116, 218.570 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(128, 230, 251) }
```

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

```
.border{ border-color:rgb(128, 230, 251) }
```

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

Here you see how a box with a 4 pixel rgb(128, 230, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 230, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 230, 251);  
box-shadow:4px 4px 4px 4px rgb(128, 230,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 31.116, 218.570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 230, 251) }
```

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

```
.background{ background-color: rgb(128,  
230, 251) }
```

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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