

Converting Colors

CIELCh(86, 21.987, 283.944)

Have a look what the booklet for
CIELCh(86, 21.987, 283.944)
contains.

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Color

CIELCh(86, 21.686, 283.270)

Conversions

Conversions Part 1

Format	Color
Hex	CCD6FF
RGB	204, 214, 255
RGB Percent	80%, 84%, 100%
CMY	0.2009, 0.1617, 0.0009
CMYK	0.20, 0.16, 0.00, 0.00
HSL	228°, 99%, 90%
HSV	228°, 20%, 100%
XYZ	66.8395, 67.9871, 104.0073
YIQ	215.6840, -19.1210, 10.6310

Conversions

Conversions Part 2

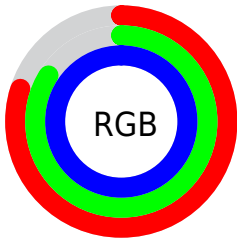
Format	Color
RYB	204, 212, 255
Decimal	13424383
CIELab	86.00, 4.98, -21.11
CIELCh	86, 21.686, 283.270
Yxy	67.9871, 0.2799, 0.2847
Android (android.graphics.Color)	4291614463 (0xFFCCD6FF)
YUV	215.6840, 19.3828, -10.2469
Hunter-Lab	82.4543, 0.4016, -17.0700

Details

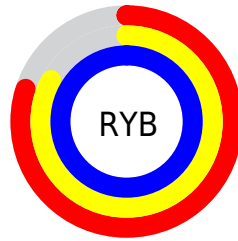
The CIELCh color **86, 21.686, 283.270** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **96, 21.193, 98.305**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **66, 21.791, 283.502** is the 20% darker color. If you saturate the color by 10%, you get **79, 33.025, 284.922**, and if you desaturate by 10%, it is **93, 10.694, 281.861**.

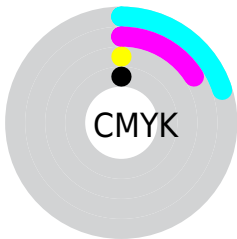
Distribution



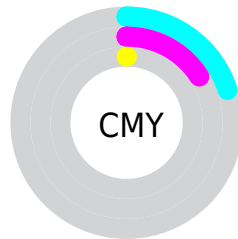
- Red (80%)
- Green (84%)
- Blue (100%)



- Red (80%)
- Yellow (83%)
- Blue (100%)



- Cyan (20%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (16%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 21.686, 283.270 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, 21.686, 283.270 by changing the saturation by 10% instead.


 86, 21.686,
283.270


 86, 21.686,
283.270


 100, 21.686,
283.270


 76, 21.686,
283.270

 66, 21.686,
283.270

 56, 21.686,
283.270

 46, 21.686,
283.270

 36, 21.686,
283.270

 26, 21.686,
283.270

 16, 21.686,

283.270

■ 6, 21.686, 283.270

■ 0, 21.686, 283.270

■ 86, 21.686,
283.270

■ 86, 21.686,
283.270

■ 79, 33.025,
284.922

■ 93, 10.694,
281.861

■ 72, 44.749,
286.861

100, 0.027,
287.591

■ 65, 56.894,
289.113

100, 0.108,
109.456

■ 58, 69.479,
291.686

■ 52, 82.456,

294.540

■ 46, 95.587,
297.551

■ 41, 108.259,
300.499

■ 37, 119.379,
303.054

Harmonies

Complementary

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



86, 21.686, 283.270



96, 21.193, 98.305

Rectangle

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



86, 21.686, 283.270



86, 21.686, 333.270



86, 21.686, 103.270



86, 21.686, 153.270

Sweetspot

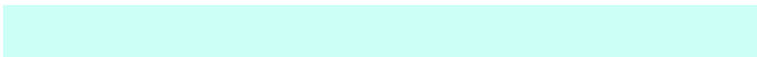
The Sweet Spot groups the original color and five complimentary colors.



86, 21.684, 283.268



96, 6.379, 281.365



96, 18.084, 181.440



51, 4.234, 281.442



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, 21.684, 283.268



83, 26.180, 283.896



85, 27.479, 303.092



49, 6.071, 281.796



27, 94.851, 302.626



6, 37.793, 297.722

Inverse Universe

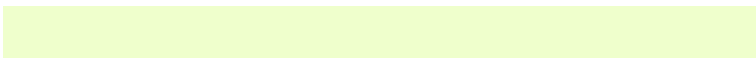
The Inverse Universe completely reimagines the original color for something new.



87, 19.602, 5.580



84, 23.752, 6.089



98, 26.425, 120.636



50, 5.422, 4.375



40, 75.135, 29.883



10, 32.007, 18.926

Previews

White Background



This preview shows how the CIE LCh color 86, 21.686, 283.270 looks on a white background.

Color Contrast Check

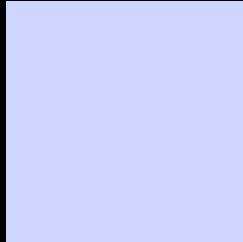
Large Text (above 18pt) WCAG AA × Fail

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, 21.686, 283.270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

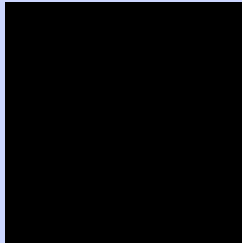
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 21.686, 283.270

Background



This preview shows how black text looks on a background with the CIELCh color 86, 21.686, 283.270.

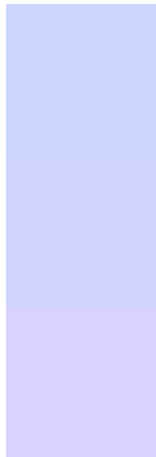


This preview shows how white text looks on a background with the CIELCh color 86, 21.686, 283.270.

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, 21.686, 283.270

Protanopia

86, 21.576, 286.709

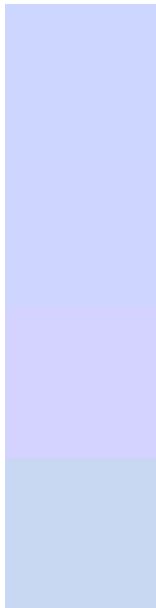
Deuteranopia

86, 23.786, 296.949



Tritanopia
86, 10.953, 259.050

Trichromacy



Original Color
86, 21.686, 283.270

Protanomaly
86, 21.602, 285.845

Deuteranomaly
86, 23.140, 292.920

Tritanomaly
86, 14.421, 270.859

Monochromacy



Original Color
86, 21.686, 283.270

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 7.456, 280.008

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 21.686, 283.270 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(204, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 214, 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(204, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 214, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 21.686, 283.270 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(204, 214, 255) }
```

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

```
.border{ border-color:rgb(204, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 214,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 21.686, 283.270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 214, 255) }
```

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

```
.background{ background-color: rgb(204,  
214, 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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