

Converting Colors

CIELCh(86, 21.148, 266.377)

Have a look what the booklet for
CIELCh(86, 21.148, 266.377)
contains.

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Color

CIELCh(86, 21.239, 265.725)

Conversions

Conversions Part 1

Format	Color
Hex	BDDAFF
RGB	189, 218, 255
RGB Percent	74%, 85%, 100%
CMY	0.2599, 0.1462, 0.0011
CMYK	0.26, 0.15, 0.00, 0.00
HSL	214°, 99%, 87%
HSV	214°, 26%, 100%
XYZ	63.9241, 67.9871, 104.1229
YIQ	213.5470, -29.1610, 5.3590

Conversions

Conversions Part 2

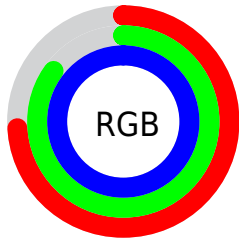
Format	Color
R_{YB}	189, 209, 255
Decimal	12442367
CIE _{Lab}	86.00, -1.58, -21.18
CIE _{LCh}	86, 21.239, 265.725
Yxy	67.9871, 0.2708, 0.2880
Android (android.graphics.Color)	4290632447 (0xFFBDDAFF)
YUV	213.5470, 20.4363, -21.5277
Hunter-Lab	82.4543, -5.9098, -17.1532

Details

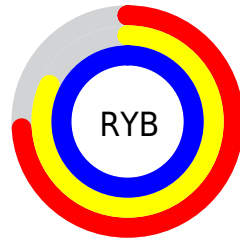
The CIELCh color `86, 21.239, 265.725` is a light color, and the websafe version is hex `99CCFF`. A complement of this color would be `91, 22.216, 78.286`, and the grayscale version is `85, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 3.114, 199.421`, and `66, 21.255, 265.551` is the 20% darker color. If you saturate the color by 10%, you get `81, 29.411, 267.797`, and if you desaturate by 10%, it is `91, 13.045, 263.973`.

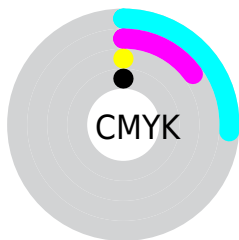
Distribution



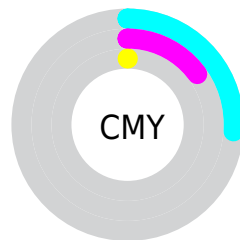
- Red (74%)
- Green (85%)
- Blue (100%)



- Red (74%)
- Yellow (82%)
- Blue (100%)



- Cyan (26%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (26%)
- Magenta (15%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 21.239, 265.725 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, 21.239, 265.725 by changing the saturation by 10% instead.


 86, 21.239,
265.725


 86, 21.239,
265.725


 100, 21.239,
265.725


 76, 21.239,
265.725

 66, 21.239,
265.725

 56, 21.239,
265.725

 46, 21.239,
265.725

 36, 21.239,
265.725

 26, 21.239,
265.725

 16, 21.239,

265.725

■ 6, 21.239, 265.725

■ 0, 21.239, 265.725

■ 86, 21.239,
265.725

■ 86, 21.239,
265.725

■ 81, 29.411,
267.797

■ 91, 13.045,
263.973

■ 75, 37.559,
270.251

■ 97, 4.846, 262.530

■ 70, 45.697,
273.131

100, 0.131,
109.579

■ 65, 53.866,
276.467

■ 61, 62.136,

280.240

■ 56, 70.589,
284.358

■ 52, 79.277,
288.638

■ 50, 82.907,
290.326

Harmonies

Complementary

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



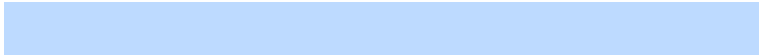
86, 21.239, 265.725



91, 22.216, 78.286

Rectangle

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



86, 21.239, 265.725



86, 21.239, 315.725



86, 21.239, 85.725



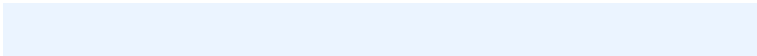
86, 21.239, 135.725

Sweetspot

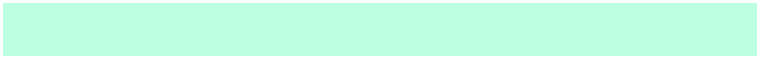
The Sweet Spot groups the original color and five complimentary colors.



86, 21.238, 265.722



96, 6.569, 262.802



95, 27.484, 163.992



50, 4.668, 263.010



0, 0.000, 0.000



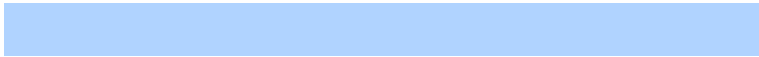
53, 0.007, 296.813

Same Dimension

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



86, 21.238, 265.722



83, 25.427, 266.736



79, 35.365, 294.983



50, 4.668, 263.010



38, 65.625, 289.562



11, 26.458, 283.507

Inverse Universe

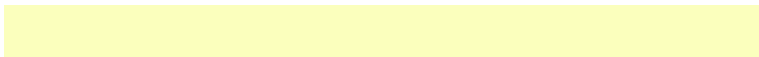
The Inverse Universe completely reimagines the original color for something new.



83, 28.471, 349.581



80, 34.214, 350.194



98, 33.236, 109.819



50, 6.136, 347.845



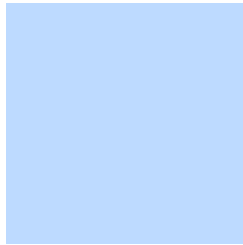
41, 68.019, 7.963



10, 31.433, 1.462

Previews

White Background



This preview shows how the CIE LCh color 86, 21.239, 265.725 looks on a white background.

Color Contrast Check

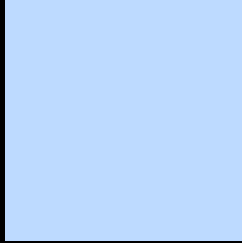
Large Text (above 18pt) WCAG AA × Fail

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, 21.239, 265.725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

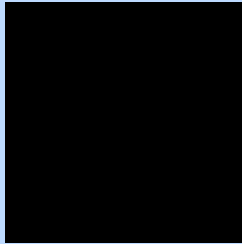
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

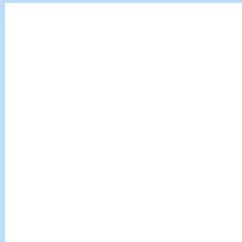
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 21.239, 265.725

Background



This preview shows how black text looks on a background with the CIELCh color 86, 21.239, 265.725.



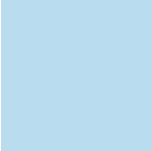
This preview shows how white text looks on a background with the CIELCh color 86, 21.239, 265.725.

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, 14.678, 236.372

Trichromacy



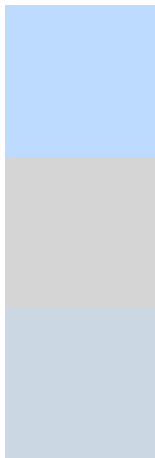
Original Color
86, 21.239, 265.725

Protanomaly
86, 19.902, 277.462

Deuteranomaly
86, 22.151, 285.207

Tritanomaly
86, 16.537, 248.767

Monochromacy



Original Color
86, 21.239, 265.725

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 7.753, 261.258

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 21.239, 265.725 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(189, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 218, 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(189, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 218, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 21.239, 265.725 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(189, 218, 255) }
```

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

```
.border{ border-color:rgb(189, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 218,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 21.239, 265.725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 218, 255) }
```

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

```
.background{ background-color: rgb(189,  
218, 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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