

Converting Colors

CIELCh(86, 21.581, 229.138)

Have a look what the booklet for
CIELCh(86, 21.581, 229.138)
contains.

CIELCh(86, 21.557, 229.294)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(86, 21.557, 229.294)

Conversions

Conversions Part 1

Format	Color
Hex	A4E0F5
RGB	164, 224, 245
RGB Percent	64%, 88%, 96%
CMY	0.3558, 0.1205, 0.0381
CMYK	0.33, 0.09, 0.00, 0.04
HSL	196°, 81%, 80%
HSV	196°, 33%, 96%
XYZ	58.6167, 67.9871, 96.6396
YIQ	208.4540, -42.5010, -6.1890

Conversions

Conversions Part 2

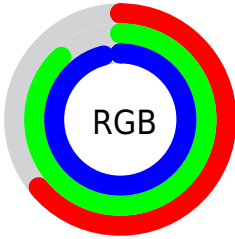
Format	Color
RYB	164, 198, 245
Decimal	10805493
CIELab	86.00, -14.06, -16.34
CIELCh	86, 21.557, 229.294
Yxy	67.9871, 0.2626, 0.3045
Android (android.graphics.Color)	4288995573 (0xFFA4E0F5)
YUV	208.4540, 18.0172, -38.9862
Hunter-Lab	82.4543, -17.3994, -11.7722

Details

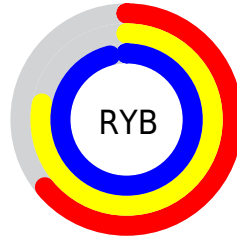
The CIELCh color **86, 21.557, 229.294** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **80, 26.840, 45.295**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 11.478, 198.739**, and **66, 21.638, 229.142** is the 20% darker color. If you saturate the color by 10%, you get **83, 27.017, 230.710**, and if you desaturate by 10%, it is **89, 15.527, 228.205**.

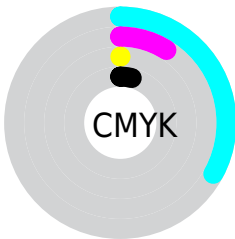
Distribution



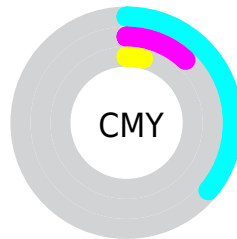
- Red (64%)
- Green (88%)
- Blue (96%)



- Red (64%)
- Yellow (78%)
- Blue (96%)



- Cyan (33%)
- Magenta (9%)
- Yellow (0%)
- Black (4%)



- Cyan (36%)
- Magenta (12%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 21.557, 229.294 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, 21.557, 229.294 by changing the saturation by 10% instead.


 86, 21.557,
229.294


 86, 21.557,
229.294


 100, 21.557,
229.294


 76, 21.557,
229.294

 66, 21.557,
229.294

 56, 21.557,
229.294

 46, 21.557,
229.294

 36, 21.557,
229.294

 26, 21.557,
229.294

 16, 21.557,

229.294

■ 6, 21.557, 229.294

■ 0, 21.557, 229.294

■ 86, 21.557,
229.294

■ 86, 21.557,
229.294

■ 83, 27.017,
230.710

■ 89, 15.527,
228.205

■ 80, 31.818,
232.542

■ 92, 9.027, 227.397

■ 78, 35.893,
234.880

■ 96, 2.147, 226.982

■ 75, 39.219,
237.817

■ 98, 2.911, 69.906

■ 100, 4.920,
109.795

■ 73, 41.841,

241.435

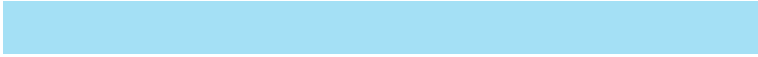
■ 71, 43.895,
245.759

■ 69, 45.158,
249.080

Harmonies

Complementary

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



86, 21.557, 229.294



80, 26.840, 45.295

Rectangle

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



86, 21.557, 229.294



86, 21.557, 279.294



86, 21.557, 49.294



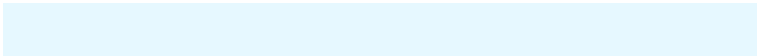
86, 21.557, 99.294

Sweetspot

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



86, 21.557, 229.290



97, 7.204, 227.208



90, 42.713, 149.660



51, 4.898, 227.293



0, 0.000, 0.000



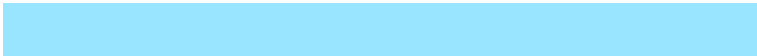
53, 0.007, 296.813

Same Dimension

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



86, 21.557, 229.290



87, 26.236, 230.253



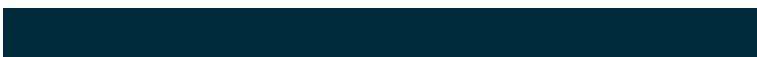
75, 33.135, 282.251



49, 3.966, 227.177



54, 36.511, 248.176



16, 15.676, 240.998

Inverse Universe

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



77, 42.746, 335.002



76, 53.124, 335.557



90, 32.335, 93.152



48, 7.308, 333.285



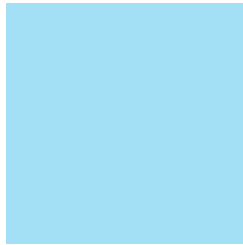
42, 74.859, 341.997



10, 34.100, 339.725

Previews

White Background



This preview shows how the CIE LCh color 86, 21.557, 229.294 looks on a white background.

Color Contrast Check

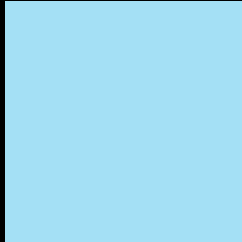
Large Text (above 18pt) WCAG AA × Fail

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, 21.557, 229.294 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, 21.557, 229.294

Background



This preview shows how black text looks on a background with the CIELCh color 86, 21.557, 229.294.

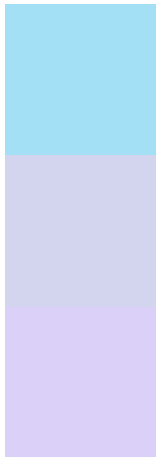


This preview shows how white text looks on a background with the CIELCh color 86, 21.557, 229.294.

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, 21.557, 229.294

Protanopia

86, 13.141, 288.294

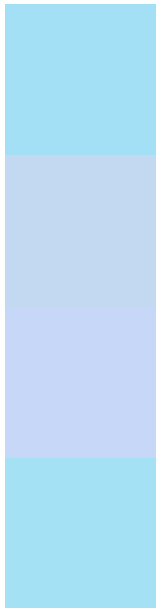
Deuteranopia

86, 20.858, 301.218



Tritanopia
86, 21.224, 224.870

Trichromacy



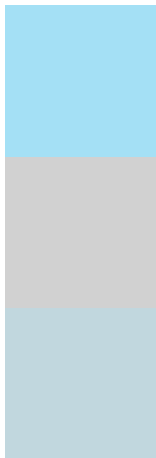
Original Color
86, 21.557, 229.294

Protanomaly
86, 14.560, 259.403

Deuteranomaly
86, 17.480, 273.915

Tritanomaly
86, 21.402, 226.231

Monochromacy



Original Color
86, 21.557, 229.294

Achromatopsia
84, 0.010, 296.813

Achromatomaly
85, 8.390, 225.115

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 21.557, 229.294 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(164, 224, 245)` looks like.

```
.text, #text, p{  
    color:rgb(164, 224, 245)  
}
```

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(164, 224, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 224, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 21.557, 229.294 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(164, 224, 245) }
```

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

```
.border{ border-color:rgb(164, 224, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 224, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 224, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 224, 245);  
box-shadow:4px 4px 4px 4px rgb(164, 224,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 21.557, 229.294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 224, 245) }
```

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

```
.background{ background-color: rgb(164,  
224, 245) }
```

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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