

Converting Colors

CIELCh(87, 21.536, 229.248)

Have a look what the booklet for
CIELCh(87, 21.536, 229.248)
contains.

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Color

CIELCh(87, 21.536, 229.248)

Conversions

Conversions Part 1

Format	Color
Hex	A7E3F8
RGB	167, 227, 248
RGB Percent	65%, 89%, 97%
CMY	0.3447, 0.1094, 0.0270
CMYK	0.33, 0.08, 0.00, 0.03
HSL	196°, 85%, 81%
HSV	196°, 33%, 97%
XYZ	60.4160, 70.0064, 99.2220
YIQ	211.4540, -42.5010, -6.1890

Conversions

Conversions Part 2

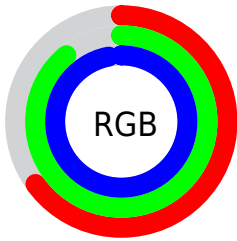
Format	Color
RYB	167, 201, 248
Decimal	11002872
CIELab	87.00, -14.06, -16.31
CIELCh	87, 21.536, 229.248
Yxy	70.0064, 0.2631, 0.3048
Android (android.graphics.Color)	4289192952 (0xFFA7E3F8)
YUV	211.4540, 18.0172, -38.9862
Hunter-Lab	83.6698, -17.5315, -11.7417

Details

The CIELCh color **87, 21.536, 229.248** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **81, 26.740, 45.300**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 10.500, 198.806**, and **67, 21.630, 229.053** is the 20% darker color. If you saturate the color by 10%, you get **84, 27.069, 230.651**, and if you desaturate by 10%, it is **90, 15.431, 228.169**.

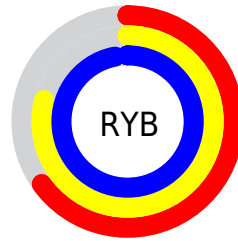
Distribution



Red (65%)

Green (89%)

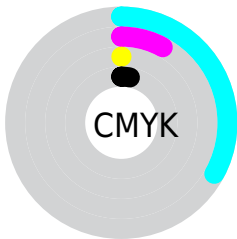
Blue (97%)



Red (65%)

Yellow (79%)

Blue (97%)

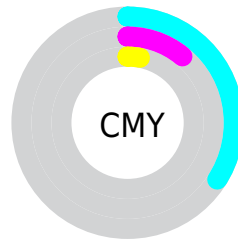


Cyan (33%)

Magenta (8%)

Yellow (0%)

Black (3%)



Cyan (34%)


Magenta (11%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 21.536, 229.248 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 87, 21.536, 229.248 by changing the saturation by 10% instead.


 87, 21.536,
229.248

 87, 21.536,
229.248


 100, 21.536,
229.248


 77, 21.536,
229.248

 67, 21.536,
229.248

 57, 21.536,
229.248

 47, 21.536,
229.248

 37, 21.536,
229.248

 27, 21.536,
229.248

 17, 21.536,

229.248

■ 7, 21.536, 229.248

■ 0, 21.536, 229.248

■ 87, 21.536,
229.248

■ 87, 21.536,
229.248

■ 84, 27.069,
230.651

■ 90, 15.431,
228.169

■ 81, 31.940,
232.469

■ 93, 8.854, 227.371

■ 97, 1.898, 227.000

■ 79, 36.079,
234.789

■ 99, 2.502, 92.218

■ 76, 39.460,
237.706

■ 100, 3.484,
109.896

■ 74, 42.129,

241.302

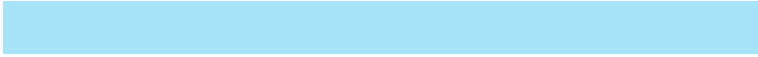
■ 72, 44.218,
245.607

■ 70, 45.560,
249.111

Harmonies

Complementary

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



87, 21.536, 229.248



81, 26.740, 45.300

Rectangle

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



87, 21.536, 229.248



87, 21.536, 279.248



87, 21.536, 49.248



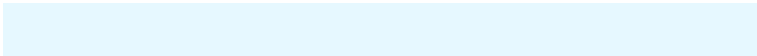
87, 21.536, 99.248

Sweetspot

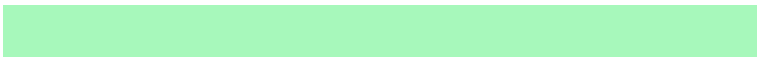
The Sweet Spot groups the original color and five complimentary colors.



87, 21.536, 229.244



97, 7.204, 227.206



91, 42.625, 149.697



51, 4.898, 227.291



0, 0.000, 0.000



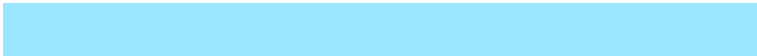
53, 0.007, 296.813

Same Dimension

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



87, 21.536, 229.244



87, 25.682, 230.103



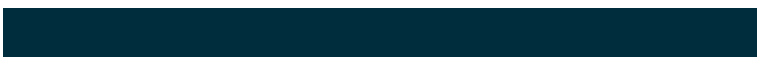
76, 33.045, 282.181



50, 4.033, 227.176



54, 36.893, 248.223



17, 16.139, 241.386

Inverse Universe

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



78, 42.658, 334.974



76, 51.852, 335.476



91, 32.258, 93.198



49, 7.433, 333.286



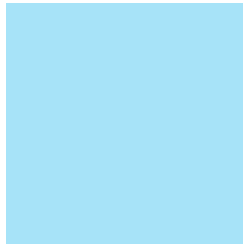
42, 75.609, 342.013



10, 35.008, 339.841

Previews

White Background



This preview shows how the CIE LCh color 87, 21.536, 229.248 looks on a white background.

Color Contrast Check

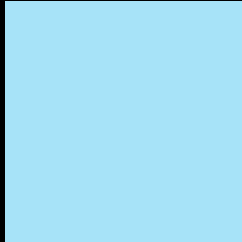
Large Text (above 18pt) WCAG AA × Fail

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 87, 21.536, 229.248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

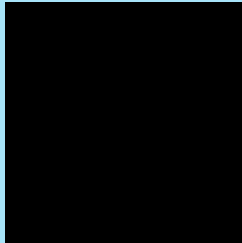
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 21.536, 229.248

Background



This preview shows how black text looks on a background with the CIELCh color 87, 21.536, 229.248.



This preview shows how white text looks on a background with the CIELCh color 87, 21.536, 229.248.

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](#).

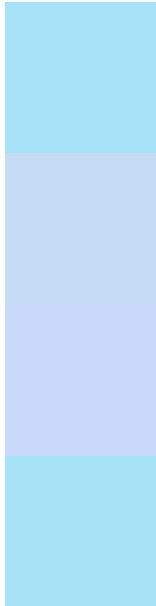
Dichromacy





Tritanopia
87, 21.140, 226.576

Trichromacy



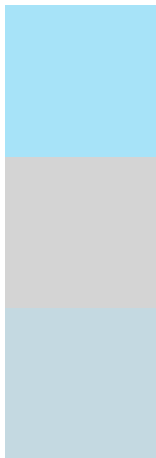
Original Color
87, 21.536, 229.248

Protanomaly
87, 14.527, 259.365

Deuteranomaly
87, 17.863, 275.476

Tritanomaly
87, 21.333, 227.924

Monochromacy



Original Color
87, 21.536, 229.248

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 8.305, 229.517

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 21.536, 229.248 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(167, 227, 248)` looks like.

```
.text, #text, p{  
    color:rgb(167, 227, 248)  
}
```

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(167, 227, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 227, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 21.536, 229.248 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(167, 227, 248) }
```

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

```
.border{ border-color:rgb(167, 227, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 227, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 227, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 227, 248);  
box-shadow:4px 4px 4px 4px rgb(167, 227,  
248) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 21.536, 229.248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 227, 248) }
```

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

```
.background{ background-color: rgb(167,  
227, 248) }
```

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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