

Converting Colors

CIELCh(87, 14.845, 220.229)

Have a look what the booklet for
CIELCh(87, 14.845, 220.229)
contains.

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Color

CIELCh(87, 14.940, 221.358)

Conversions

Conversions Part 1

Format	Color
Hex	B7E1EC
RGB	183, 225, 236
RGB Percent	72%, 88%, 93%
CMY	0.2822, 0.1175, 0.0743
CMYK	0.22, 0.05, 0.00, 0.07
HSL	192°, 58%, 82%
HSV	192°, 22%, 93%
XYZ	61.6232, 70.0064, 89.6565
YIQ	213.6960, -28.5630, -5.4830

Conversions

Conversions Part 2

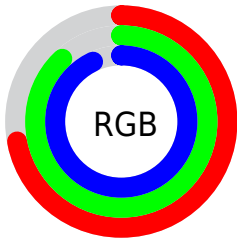
Format	Color
RYB	183, 206, 236
Decimal	12050924
CIELab	87.00, -11.21, -9.87
CIELCh	87, 14.940, 221.358
Yxy	70.0064, 0.2785, 0.3164
Android (android.graphics.Color)	4290241004 (0xFFB7E1EC)
YUV	213.6960, 10.9959, -26.9204
Hunter-Lab	83.6698, -14.9561, -4.9634

Details

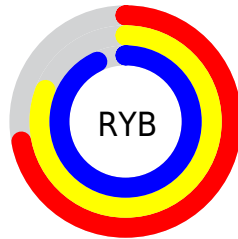
The CIELCh color **87, 14.940, 221.358** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **82, 17.357, 39.954**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 5.163, 199.206**, and **67, 14.924, 220.215** is the 20% darker color. If you saturate the color by 10%, you get **84, 20.843, 222.083**, and if you desaturate by 10%, it is **90, 8.534, 220.851**.

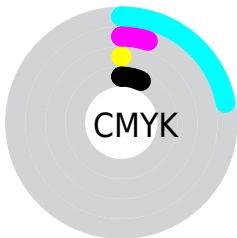
Distribution



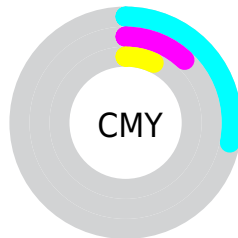
- Red (72%)
- Green (88%)
- Blue (93%)



- Red (72%)
- Yellow (81%)
- Blue (93%)



- Cyan (22%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)



- Cyan (28%)
- Magenta (12%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 14.940, 221.358 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, 14.940, 221.358 by changing the saturation by 10% instead.

■ 87, 14.940,
221.358

■ 87, 14.940,
221.358

■ 100, 14.940,
221.358

■ 77, 14.940,
221.358

■ 67, 14.940,
221.358

■ 57, 14.940,
221.358

■ 47, 14.940,
221.358

■ 37, 14.940,
221.358

■ 27, 14.940,
221.358

■ 17, 14.940,

221.358

■ 7, 14.940, 221.358

■ 0, 14.940, 221.358

■ 87, 14.940,
221.358

■ 87, 14.940,
221.358

■ 84, 20.843,
222.083

■ 90, 8.534, 220.851

■ 82, 26.135,
223.091

■ 93, 1.724, 220.771

■ 96, 5.398, 40.067

■ 79, 30.714,
224.440

■ 97, 5.727, 69.271

■ 77, 34.496,
226.209

■ 98, 7.114, 93.633

■ 99, 9.313, 108.226

■ 75, 37.438,

228.486

100, 9.594,
109.451

73, 39.554,
231.356

72, 40.947,
234.879

71, 41.693,
237.898

Harmonies

Complementary

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



87, 14.940, 221.358



82, 17.357, 39.954

Rectangle

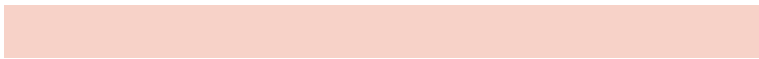
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 14.940, 221.358



87, 14.940, 271.358



87, 14.940, 41.358



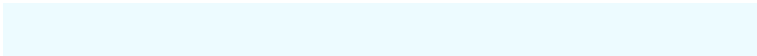
87, 14.940, 91.358

Sweetspot

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



87, 14.940, 221.351



98, 5.178, 220.689



89, 29.282, 148.915



52, 3.359, 220.701



0, 0.000, 0.000



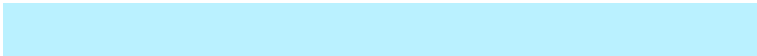
53, 0.007, 296.813

Same Dimension

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



87, 14.940, 221.351



92, 18.828, 221.662



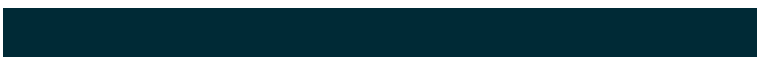
80, 20.296, 276.926



48, 3.904, 220.749



55, 34.107, 237.132



15, 14.435, 230.517

Inverse Universe

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



80, 29.251, 332.228



83, 37.446, 332.547



88, 20.222, 90.872



46, 7.322, 331.358



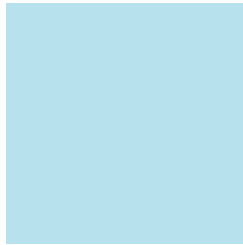
41, 76.117, 338.598



9, 33.341, 336.783

Previews

White Background



This preview shows how the CIE LCh color 87, 14.940, 221.358 looks on a white background.

Color Contrast Check

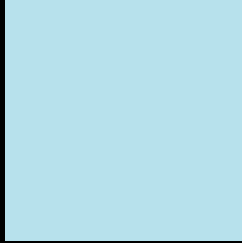
Large Text (above 18pt) WCAG AA × Fail

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, 14.940, 221.358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

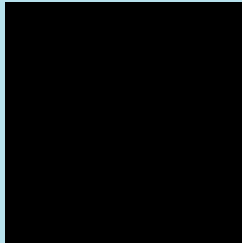
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 14.940, 221.358

Background



This preview shows how black text looks on a background with the CIELCh color 87, 14.940, 221.358.

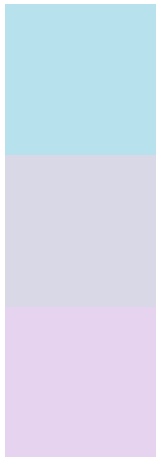


This preview shows how white text looks on a background with the CIELCh color 87, 14.940, 221.358.

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
87, 14.940, 221.358

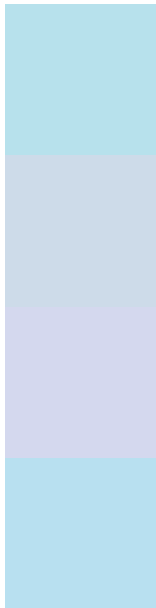
Protanopia
87, 7.878, 293.388

Deuteranopia
87, 16.050, 314.378



Tritanopia
87, 15.920, 235.187

Trichromacy



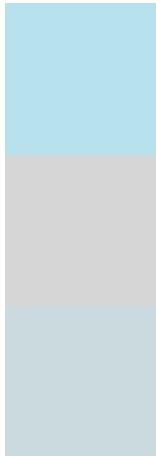
Original Color
87, 14.940, 221.358

Protanomaly
87, 8.682, 257.073

Deuteranomaly
87, 11.588, 284.337

Tritanomaly
87, 15.406, 231.786

Monochromacy



Original Color
87, 14.940, 221.358

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 5.628, 221.090

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 14.940, 221.358 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(183, 225, 236)` looks like.

```
.text, #text, p{  
    color:rgb(183, 225, 236)  
}
```

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(183, 225, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 225, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 14.940, 221.358 is called "border". The border property can be set on classes, ids or directly on the HTML element.

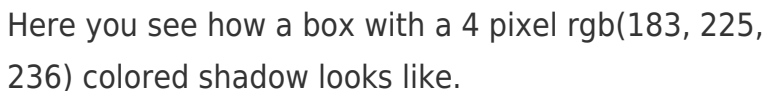
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 225, 236) }
```

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

```
.border{ border-color:rgb(183, 225, 236) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 225, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 225, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 225, 236); box-shadow:4px 4px 4px 4px rgb(183, 225, 236) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 14.940, 221.358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 225, 236) }
```

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

```
.background{ background-color: rgb(183,  
225, 236) }
```

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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