

Converting Colors

CIELCh(87, 18.997, 221.158)

Have a look what the booklet for
CIELCh(87, 18.997, 221.158)
contains.

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Color

CIELCh(87, 19.003, 221.168)

Conversions

Conversions Part 1

Format	Color
Hex	ACE3F1
RGB	172, 227, 241
RGB Percent	67%, 89%, 95%
CMY	0.3258, 0.1101, 0.0552
CMYK	0.29, 0.06, 0.00, 0.06
HSL	192°, 71%, 81%
HSV	192°, 29%, 94%
XYZ	60.3121, 70.0064, 93.4941
YIQ	212.1510, -37.2740, -7.3060

Conversions

Conversions Part 2

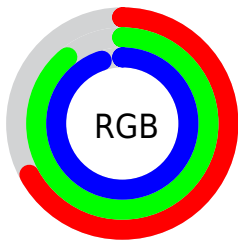
Format	Color
R_{YB}	172, 203, 241
Decimal	11330545
CIE _{Lab}	87.00, -14.31, -12.51
CIE _{LCh}	87, 19.003, 221.168
Yxy	70.0064, 0.2695, 0.3128
Android (android.graphics.Color)	4289520625 (0xFFACE3F1)
YUV	212.1510, 14.2226, -35.2124
Hunter-Lab	83.6698, -17.7533, -7.6828

Details

The CIELCh color **87, 19.003, 221.168** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **80, 23.165, 39.496**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 8.853, 198.921**, and **67, 18.940, 220.532** is the 20% darker color. If you saturate the color by 10%, you get **84, 24.635, 222.027**, and if you desaturate by 10%, it is **90, 12.786, 220.550**.

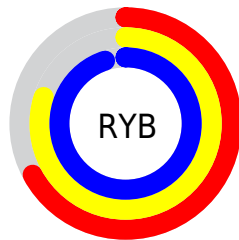
Distribution



Red (67%)

Green (89%)

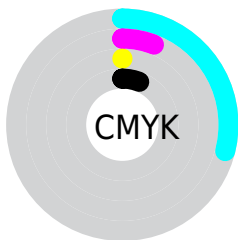
Blue (95%)



Red (67%)

Yellow (80%)

Blue (95%)

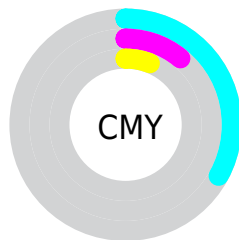


Cyan (29%)

Magenta (6%)

Yellow (0%)

Black (6%)



Cyan (33%)

Magenta (11%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 19.003, 221.168 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, 19.003, 221.168 by changing the saturation by 10% instead.

■ 87, 19.003,
221.168

■ 87, 19.003,
221.168

■ 100, 19.003,
221.168

■ 77, 19.003,
221.168

■ 67, 19.003,
221.168

■ 57, 19.003,
221.168

■ 47, 19.003,
221.168

■ 37, 19.003,
221.168

■ 27, 19.003,
221.168

■ 17, 19.003,

221.168

■ 7, 19.003, 221.168

■ 0, 19.003, 221.168

■ 87, 19.003,
221.168

■ 87, 19.003,
221.168

■ 84, 24.635,
222.027

■ 90, 12.786,
220.550

■ 82, 29.573,
223.201

■ 93, 6.091, 220.166

■ 80, 33.722,
224.757

■ 96, 0.980, 39.138

■ 78, 37.017,
226.780

■ 98, 4.130, 62.553

■ 76, 39.447,

■ 99, 5.440, 95.985

■ 100, 7.124,

229.357

109.634

■ 74, 41.078,
232.562

■ 72, 42.099,
236.389

■ 72, 42.228,
236.927

Harmonies

Complementary

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



87, 19.003, 221.168



80, 23.165, 39.496

Rectangle

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



87, 19.003, 221.168



87, 19.003, 271.168



87, 19.003, 41.168



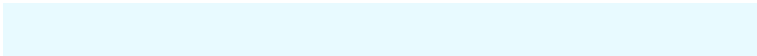
87, 19.003, 91.168

Sweetspot

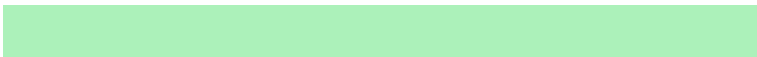
The Sweet Spot groups the original color and five complimentary colors.



87, 19.003, 221.163



97, 6.639, 220.176



89, 37.951, 148.356



51, 4.596, 220.217



0, 0.000, 0.000



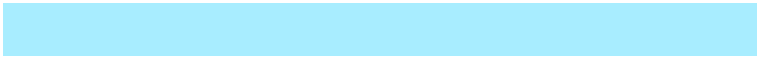
53, 0.007, 296.813

Same Dimension

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



87, 19.003, 221.163



90, 23.134, 221.601



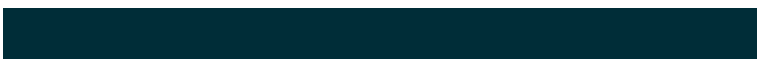
78, 26.484, 278.031



49, 3.982, 220.188



56, 34.378, 236.170



16, 14.864, 230.013

Inverse Universe

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



78, 38.041, 332.482



79, 47.174, 332.861



88, 26.351, 90.058



47, 7.477, 331.194



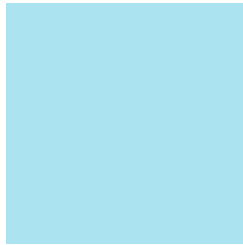
42, 77.164, 338.325



9, 34.404, 336.649

Previews

White Background



This preview shows how the CIE LCh color 87, 19.003, 221.168 looks on a white background.

Color Contrast Check

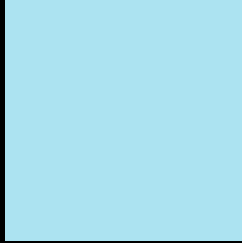
Large Text (above 18pt) WCAG AA × Fail

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, 19.003, 221.168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

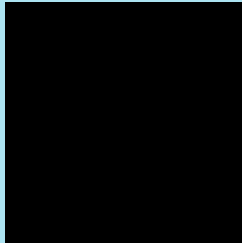
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 19.003, 221.168

Background



This preview shows how black text looks on a background with the CIELCh color 87, 19.003, 221.168.



This preview shows how white text looks on a background with the CIELCh color 87, 19.003, 221.168.

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](#).

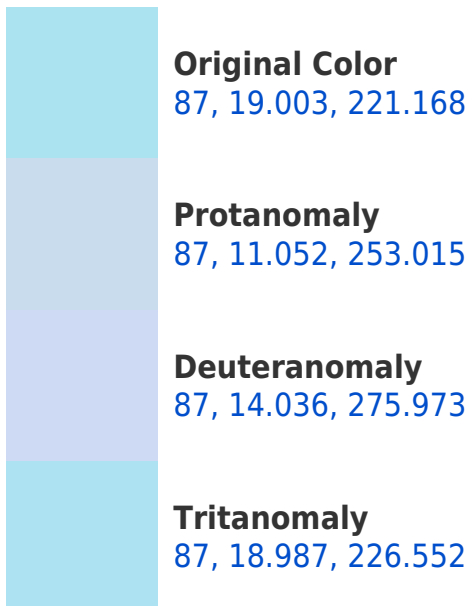
Dichromacy



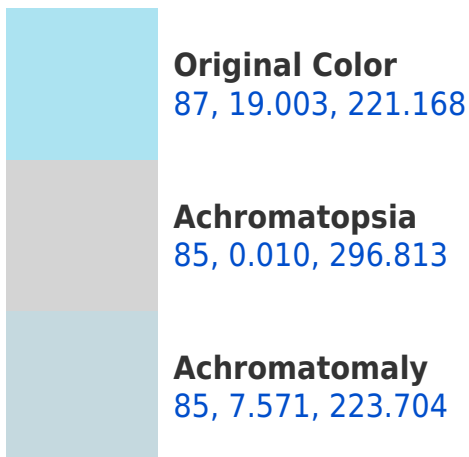


Tritanopia
87, 19.186, 228.040

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 19.003, 221.168 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(172, 227, 241)` looks like.

```
.text, #text, p{  
    color:rgb(172, 227, 241)  
}
```

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(172, 227, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 227, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 19.003, 221.168 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(172, 227, 241) }
```

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

```
.border{ border-color:rgb(172, 227, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 227, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 227, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 227, 241);  
box-shadow:4px 4px 4px 4px rgb(172, 227,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 19.003, 221.168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 227, 241) }
```

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

```
.background{ background-color: rgb(172,  
227, 241) }
```

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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