

Converting Colors

CIELCh(87, 19.122, 199.990)

Have a look what the booklet for
CIELCh(87, 19.122, 199.990)
contains.

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Color

CIELCh(87, 18.858, 201.371)

Conversions

Conversions Part 1

Format	Color
Hex	ABE4E6
RGB	171, 228, 230
RGB Percent	67%, 89%, 90%
CMY	0.3286, 0.1051, 0.0972
CMYK	0.26, 0.01, 0.00, 0.10
HSL	182°, 54%, 79%
HSV	182°, 26%, 90%
XYZ	58.9512, 70.0064, 85.4208
YIQ	211.1850, -34.6140, -11.4620

Conversions

Conversions Part 2

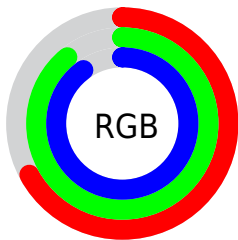
Format	Color
RYB	171, 200, 230
Decimal	11265254
CIELab	87.00, -17.56, -6.87
CIELCh	87, 18.858, 201.371
Yxy	70.0064, 0.2750, 0.3266
Android (android.graphics.Color)	4289455334 (0xFFABE4E6)
YUV	211.1850, 9.2758, -35.2422
Hunter-Lab	83.6698, -20.6565, -1.9619

Details

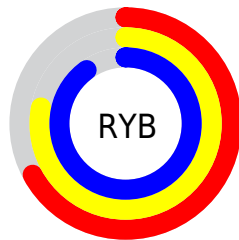
The CIELCh color **87, 18.858, 201.371** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **76, 22.494, 24.008**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 9.184, 198.897**, and **67, 18.657, 203.041** is the 20% darker color. If you saturate the color by 10%, you get **86, 25.179, 201.092**, and if you desaturate by 10%, it is **89, 11.889, 201.726**.

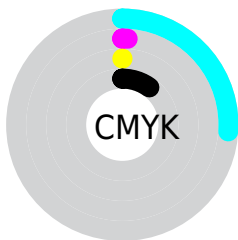
Distribution



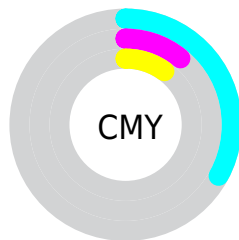
- Red (67%)
- Green (89%)
- Blue (90%)



- Red (67%)
- Yellow (78%)
- Blue (90%)



- Cyan (26%)
- Magenta (1%)
- Yellow (0%)
- Black (10%)



- Cyan (33%)
- Magenta (11%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 18.858, 201.371 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, 18.858, 201.371 by changing the saturation by 10% instead.

■ 87, 18.858,
201.371

■ 87, 18.858,
201.371

■ 100, 18.858,
201.371

■ 77, 18.858,
201.371

■ 67, 18.858,
201.371

■ 57, 18.858,
201.371

■ 47, 18.858,
201.371

■ 37, 18.858,
201.371

■ 27, 18.858,
201.371

■ 17, 18.858,

201.371

■ 7, 18.858, 201.371

■ 0, 18.858, 201.371

■ 87, 18.858,
201.371

■ 87, 18.858,
201.371

■ 86, 25.179,
201.092

■ 89, 11.889,
201.726

■ 84, 30.721,
200.908

■ 90, 4.399, 202.216

■ 92, 3.490, 22.349

■ 83, 35.372,
200.827

■ 94, 8.604, 23.742

■ 83, 39.044,
200.861

■ 94, 8.358, 26.571

■ 82, 41.697,

■ 94, 8.134, 29.564

201.019

94, 7.934, 32.717

81, 43.351,
201.310

94, 7.759, 36.021

81, 44.098,
201.734

95, 7.612, 39.465

81, 44.251,
201.946

Harmonies

Complementary

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



87, 18.858, 201.371



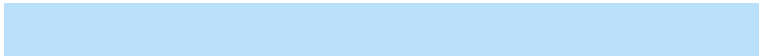
76, 22.494, 24.008

Rectangle

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



87, 18.858, 201.371



87, 18.858, 251.371



87, 18.858, 21.371



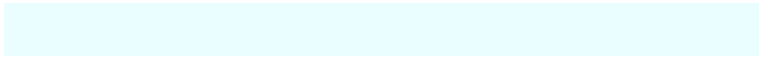
87, 18.858, 71.371

Sweetspot

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



87, 18.859, 201.366



98, 6.751, 202.072



86, 36.865, 143.592



52, 4.779, 201.995



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, 18.859, 201.366



94, 24.256, 201.203



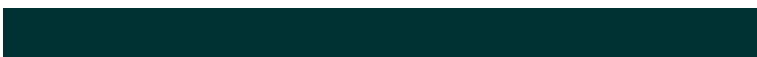
79, 18.805, 262.892



47, 4.384, 202.000



64, 36.608, 201.850



18, 15.467, 200.971

Inverse Universe

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



77, 36.870, 326.780



81, 48.354, 327.085



83, 19.878, 75.650



45, 8.117, 325.862



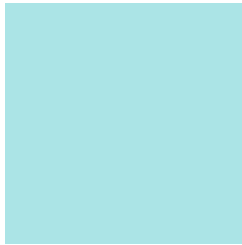
42, 86.120, 329.620



8, 36.287, 329.400

Previews

White Background



This preview shows how the CIELCh color 87, 18.858, 201.371 looks on a white background.

Color Contrast Check

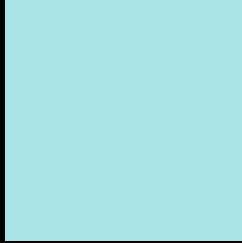
Large Text (above 18pt) WCAG AA × Fail

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, 18.858, 201.371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

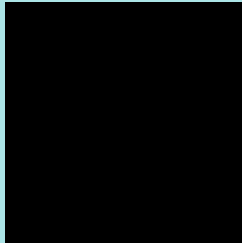
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 18.858, 201.371

Background



This preview shows how black text looks on a background with the CIELCh color 87, 18.858, 201.371.



This preview shows how white text looks on a background with the CIELCh color 87, 18.858, 201.371.

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



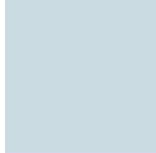


Tritanopia
87, 18.931, 228.492

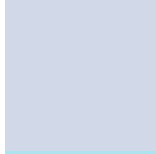
Trichromacy



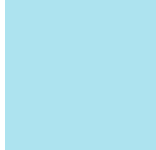
Original Color
87, 18.858, 201.371



Protanomaly
87, 6.944, 226.068



Deuteranomaly
87, 8.777, 272.517

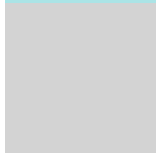


Tritanomaly
87, 18.460, 218.353

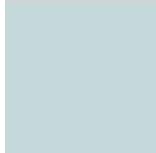
Monochromacy



Original Color
87, 18.858, 201.371



Achromatopsia
85, 0.010, 296.813



Achromatomaly
85, 7.035, 203.287

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 18.858, 201.371 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(171, 228, 230)` looks like.

```
.text, #text, p{  
    color:rgb(171, 228, 230)  
}
```

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(171, 228, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 228, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 18.858, 201.371 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(171, 228, 230) }
```

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

```
.border{ border-color:rgb(171, 228, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 228, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 228, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 228, 230);  
box-shadow:4px 4px 4px 4px rgb(171, 228,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 18.858, 201.371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 228, 230) }
```

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

```
.background{ background-color: rgb(171,  
228, 230) }
```

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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