

Converting Colors

CIELCh(87, 19.003, 212.677)

Have a look what the booklet for
CIELCh(87, 19.003, 212.677)
contains.

CIELCh(87, 19.010, 212.680)	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(87, 19.010, 212.680)

Conversions

Conversions Part 1

Format	Color
Hex	ABE4ED
RGB	171, 228, 237
RGB Percent	67%, 89%, 93%
CMY	0.3307, 0.1072, 0.0720
CMYK	0.28, 0.04, 0.00, 0.07
HSL	188°, 64%, 80%
HSV	188°, 28%, 93%
XYZ	59.6009, 70.0064, 90.2210
YIQ	211.9830, -36.8610, -9.2850

Conversions

Conversions Part 2

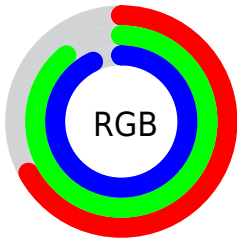
Format	Color
RYB	171, 202, 237
Decimal	11265261
CIELab	87.00, -16.00, -10.26
CIELCh	87, 19.010, 212.680
Yxy	70.0064, 0.2711, 0.3185
Android (android.graphics.Color)	4289455341 (0xFFABE4ED)
YUV	211.9830, 12.3334, -35.9421
Hunter-Lab	83.6698, -19.2706, -5.3634

Details

The CIELCh color **87, 19.010, 212.680** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **78, 23.168, 32.996**, 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, 19.008, 211.500** is the 20% darker color. If you saturate the color by 10%, you get **85, 24.769, 213.048**, and if you desaturate by 10%, it is **89, 12.623, 212.482**.

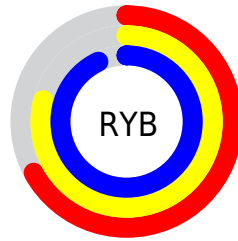
Distribution



Red (67%)

Green (89%)

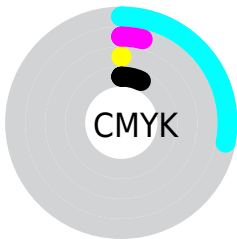
Blue (93%)



Red (67%)

Yellow (79%)

Blue (93%)

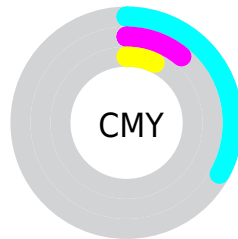


Cyan (28%)

Magenta (4%)

Yellow (0%)

Black (7%)



Cyan (33%)

Magenta (11%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 19.010, 212.680 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, 19.010, 212.680 by changing the saturation by 10% instead.

■ 87, 19.010,
212.680

■ 87, 19.010,
212.680

■ 100, 19.010,
212.680

■ 77, 19.010,
212.680

■ 67, 19.010,
212.680

■ 57, 19.010,
212.680

■ 47, 19.010,
212.680

■ 37, 19.010,
212.680

■ 27, 19.010,
212.680

■ 17, 19.010,

212.680

■ 7, 19.010, 212.680

■ 0, 19.010, 212.680

■ 87, 19.010,
212.680

■ 87, 19.010,
212.680

■ 85, 24.769,
213.048

■ 89, 12.623,
212.482

■ 83, 29.779,
213.636

■ 92, 5.726, 212.465

■ 81, 33.932,
214.488

■ 94, 1.571, 31.984

■ 80, 37.148,
215.658

■ 96, 5.545, 40.688

■ 78, 39.396,

■ 97, 5.407, 61.715

■ 98, 5.982, 81.090

217.206

98, 7.094, 95.684

77, 40.712,
219.190

99, 8.532, 105.812

76, 41.237,
221.636

100, 9.290,
109.473

76, 41.308,
222.183

Harmonies

Complementary

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



87, 19.010, 212.680



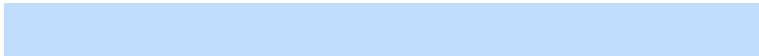
78, 23.168, 32.996

Rectangle

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



87, 19.010, 212.680



87, 19.010, 262.680



87, 19.010, 32.680



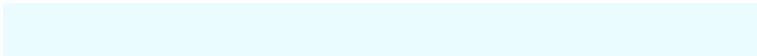
87, 19.010, 82.680

Sweetspot

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



87, 19.010, 212.675



98, 6.170, 212.464



88, 38.232, 146.281



52, 4.368, 212.451



0, 0.000, 0.000



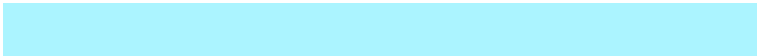
53, 0.007, 296.813

Same Dimension

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



87, 19.010, 212.675



92, 23.405, 212.846



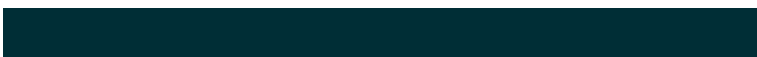
78, 23.428, 272.705



48, 4.080, 212.452



59, 33.825, 221.684



17, 14.619, 217.505

Inverse Universe

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



78, 38.229, 330.084



80, 47.955, 330.412



86, 23.863, 84.720



46, 7.699, 328.939



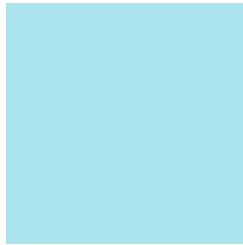
42, 80.331, 334.513



9, 34.935, 333.475

Previews

White Background



This preview shows how the CIELCh color 87, 19.010, 212.680 looks on a white background.

Color Contrast Check

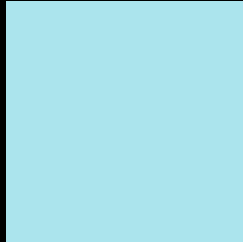
Large Text (above 18pt) WCAG AA × Fail

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, 19.010, 212.680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

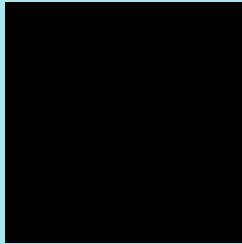
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 19.010, 212.680

Background



This preview shows how black text looks on a background with the CIELCh color 87, 19.010, 212.680.




This preview shows how white text looks on a background with the CIELCh color 87, 19.010, 212.680.

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](#).

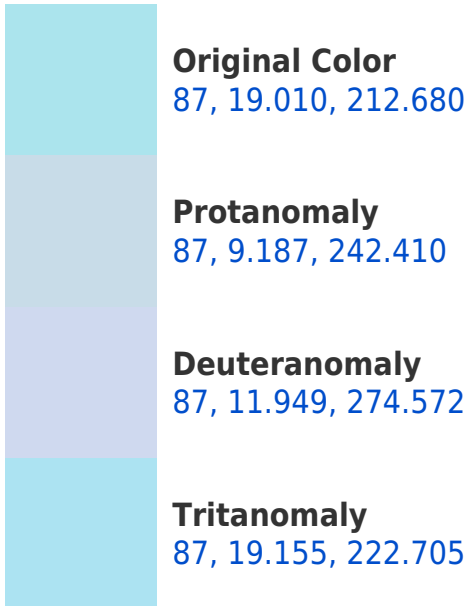
Dichromacy





Tritanopia
87, 19.646, 229.046

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 19.010, 212.680 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(171, 228, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 228, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 19.010, 212.680 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, 237) }
```

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

```
.border{ border-color:rgb(171, 228, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 228, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 228, 237);  
box-shadow:4px 4px 4px 4px rgb(171, 228,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 19.010, 212.680 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, 237) }
```

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

```
.background{ background-color: rgb(171,  
228, 237) }
```

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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