

Converting Colors

CIELCh(87, 18.291, 179.201)

Have a look what the booklet for
CIELCh(87, 18.291, 179.201)
contains.

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Color

CIELCh(87, 18.248, 179.715)

Conversions

Conversions Part 1

Format	Color
Hex	B2E4D9
RGB	178, 228, 217
RGB Percent	70%, 89%, 85%
CMY	0.3017, 0.1056, 0.1488
CMYK	0.22, 0.00, 0.05, 0.11
HSL	167°, 48%, 80%
HSV	167°, 22%, 89%
XYZ	58.6670, 70.0064, 76.1082
YIQ	211.7960, -26.2690, -14.0210

Conversions

Conversions Part 2

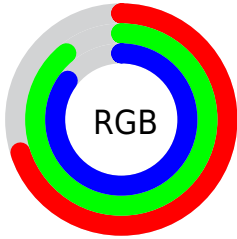
Format	Color
RYB	178, 206, 228
Decimal	11723993
CIELab	87.00, -18.25, 0.09
CIElCh	87, 18.248, 179.715
Yxy	70.0064, 0.2865, 0.3419
Android (android.graphics.Color)	4289914073 (0xFFB2E4D9)
YUV	211.7960, 2.5656, -29.6391
Hunter-Lab	83.6698, -21.2629, 4.6372

Details

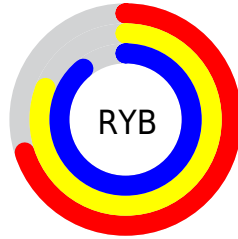
The CIELCh color **87, 18.248, 179.715** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **77, 19.849, 4.011**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 7.186, 199.043**, and **67, 18.138, 180.063** is the 20% darker color. If you saturate the color by 10%, you get **86, 26.012, 178.674**, and if you desaturate by 10%, it is **89, 10.082, 180.701**.

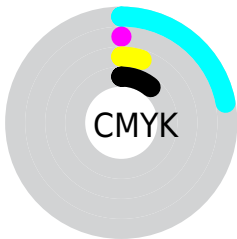
Distribution



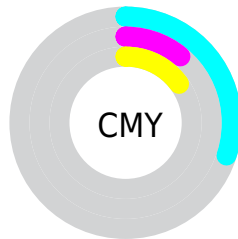
- Red (70%)
- Green (89%)
- Blue (85%)



- Red (70%)
- Yellow (81%)
- Blue (89%)



- Cyan (22%)
- Magenta (0%)
- Yellow (5%)
- Black (11%)





- Cyan (30%)
- Magenta (11%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 18.248, 179.715 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, 18.248, 179.715 by changing the saturation by 10% instead.


 87, 18.248,
179.715


 87, 18.248,
179.715


 100, 18.248,
179.715


 77, 18.248,
179.715

 67, 18.248,
179.715

 57, 18.248,
179.715

 47, 18.248,
179.715

 37, 18.248,
179.715

 27, 18.248,
179.715

 17, 18.248,

179.715

■ 7, 18.248, 179.715

■ 0, 18.248, 179.715

■ 87, 18.248,
179.715

■ 87, 18.248,
179.715

■ 86, 26.012,
178.674

■ 89, 10.082,
180.701

■ 84, 33.225,
177.563

■ 90, 1.642, 181.899

■ 83, 39.747,
176.358

■ 92, 6.956, 2.352

■ 83, 45.448,
175.036

■ 93, 10.750,
354.420

■ 82, 50.235,

■ 93, 12.058,
343.262

173.572

93, 13.740,
334.599

82, 54.070,
171.943

93, 15.675,
327.994

81, 56.993,
170.134

93, 16.835,
325.008

81, 58.849,
168.576

Harmonies

Complementary

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



87, 18.248, 179.715



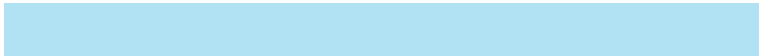
77, 19.849, 4.011

Rectangle

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



87, 18.248, 179.715



87, 18.248, 229.715



87, 18.248, 359.715



87, 18.248, 49.715

Sweetspot

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



87, 18.249, 179.711



99, 6.515, 181.191



87, 29.715, 136.741



53, 4.231, 181.128



0, 0.000, 0.000



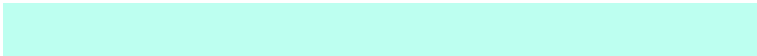
53, 0.007, 296.813

Same Dimension

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



87, 18.249, 179.711



95, 23.495, 179.279



84, 13.970, 229.082



47, 4.840, 180.946



65, 48.773, 168.915



18, 19.603, 172.319

Inverse Universe

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



77, 19.849, 4.011



83, 26.007, 4.567



80, 16.002, 46.406



45, 5.015, 2.566



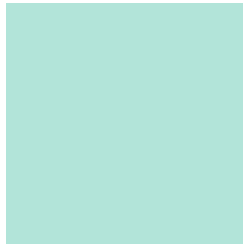
37, 70.110, 27.756



7, 26.652, 12.534

Previews

White Background



This preview shows how the CIE LCh color 87, 18.248, 179.715 looks on a white background.

Color Contrast Check

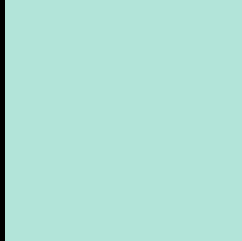
Large Text (above 18pt) WCAG AA × Fail

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, 18.248, 179.715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

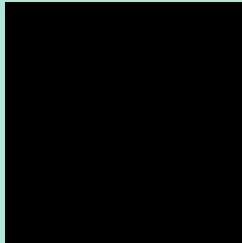
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

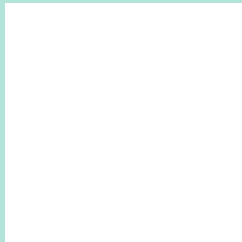
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 18.248, 179.715

Background



This preview shows how black text looks on a background with the CIELCh color 87, 18.248, 179.715.



This preview shows how white text looks on a background with the CIELCh color 87, 18.248, 179.715.

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



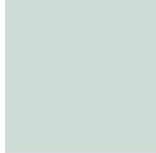


Tritanopia
87, 16.169, 234.527

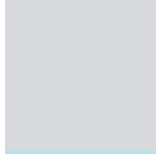
Trichromacy



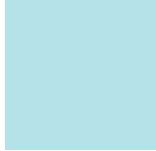
Original Color
87, 18.248, 179.715



Protanomaly
87, 5.967, 161.235



Deuteranomaly
87, 1.614, 277.567

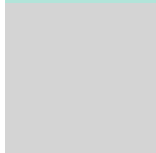


Tritanomaly
87, 15.144, 214.639

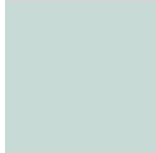
Monochromacy



Original Color
87, 18.248, 179.715



Achromatopsia
85, 0.010, 296.813



Achromatomaly
86, 6.766, 180.905

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 18.248, 179.715 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(178, 228, 217)` looks like.

```
.text, #text, p{  
    color:rgb(178, 228, 217)  
}
```

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(178, 228, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 228, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 18.248, 179.715 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(178, 228, 217) }
```

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

```
.border{ border-color:rgb(178, 228, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 228, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 228, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 228, 217);  
box-shadow:4px 4px 4px 4px rgb(178, 228,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 18.248, 179.715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 228, 217) }
```

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

```
.background{ background-color: rgb(178,  
228, 217) }
```

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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