

Converting Colors

CIELCh(87, 17.655, 176.987)

Have a look what the booklet for
CIELCh(87, 17.655, 176.987)
contains.

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Color

CIELCh(87, 17.854, 177.547)

Conversions

Conversions Part 1

Format	Color
Hex	B4E4D8
RGB	180, 228, 216
RGB Percent	71%, 89%, 85%
CMY	0.2949, 0.1066, 0.1537
CMYK	0.21, 0.00, 0.05, 0.11
HSL	165°, 47%, 80%
HSV	165°, 21%, 89%
XYZ	58.8367, 70.0064, 75.2453
YIQ	212.2800, -24.7560, -13.9080

Conversions

Conversions Part 2

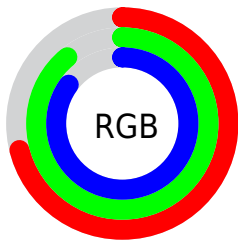
Format	Color
RYB	180, 207, 228
Decimal	11855064
CIELab	87.00, -17.84, 0.76
CIELCh	87, 17.854, 177.547
Yxy	70.0064, 0.2883, 0.3430
Android (android.graphics.Color)	4290045144 (0xFFB4E4D8)
YUV	212.2800, 1.8340, -28.3096
Hunter-Lab	83.6698, -20.9008, 5.2486

Details

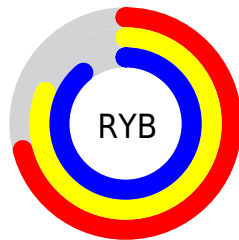
The CIELCh color **87, 17.854, 177.547** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **78, 19.209, 1.695**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 6.515, 199.095**, and **67, 17.751, 177.817** is the 20% darker color. If you saturate the color by 10%, you get **86, 25.840, 176.482**, and if you desaturate by 10%, it is **89, 9.506, 178.552**.

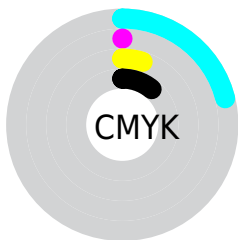
Distribution



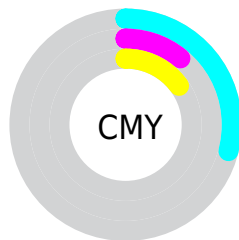
- Red (71%)
- Green (89%)
- Blue (85%)



- Red (71%)
- Yellow (81%)
- Blue (89%)



- Cyan (21%)
- Magenta (0%)
- Yellow (5%)
- Black (11%)




- Cyan (29%)
- Magenta (11%)
- Yellow (15%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 17.854, 177.547 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, 17.854, 177.547 by changing the saturation by 10% instead.


 87, 17.854,
177.547


 87, 17.854,
177.547


 100, 17.854,
177.547

 77, 17.854,
177.547

 67, 17.854,
177.547

 57, 17.854,
177.547

 47, 17.854,
177.547

 37, 17.854,
177.547

 27, 17.854,
177.547

 17, 17.854,

177.547

■ 7, 17.854, 177.547

■ 0, 17.854, 177.547

■ 87, 17.854,
177.547

■ 87, 17.854,
177.547

■ 86, 25.840,
176.482

■ 89, 9.506, 178.552

■ 84, 33.315,
175.339

■ 90, 0.921, 180.010

■ 92, 7.786, 0.224

■ 83, 40.134,
174.091

■ 93, 11.229,
350.569

■ 83, 46.164,
172.716

■ 93, 12.892,
339.132

■ 82, 51.303,

171.188

93, 14.959,
330.632

81, 55.503,
169.483

93, 16.998,
325.013

81, 58.793,
167.588

81, 61.133,
165.774

Harmonies

Complementary

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



87, 17.854, 177.547



78, 19.209, 1.695

Rectangle

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



87, 17.854, 177.547



87, 17.854, 227.547



87, 17.854, 357.547



87, 17.854, 47.547

Sweetspot

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



87, 17.855, 177.543



99, 5.672, 179.070



87, 28.235, 135.792



53, 3.760, 178.999



0, 0.000, 0.000



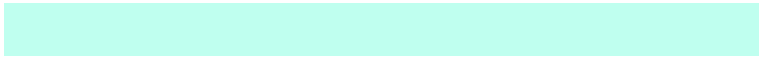
53, 0.007, 296.813

Same Dimension

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



87, 17.855, 177.543



96, 23.055, 177.118



84, 13.548, 224.607



47, 4.915, 178.714



65, 50.680, 166.131



18, 20.245, 169.747

Inverse Universe

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



78, 19.209, 1.695



84, 25.182, 2.221



80, 15.521, 42.744



45, 5.076, 0.357



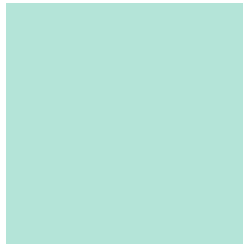
37, 68.844, 25.314



7, 26.640, 11.120

Previews

White Background



This preview shows how the CIELCh color 87, 17.854, 177.547 looks on a white background.

Color Contrast Check

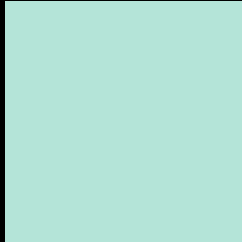
Large Text (above 18pt) WCAG AA × Fail

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, 17.854, 177.547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

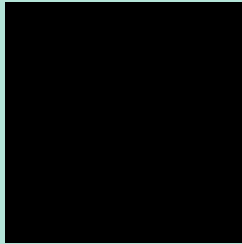
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

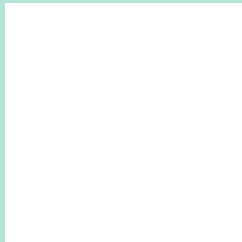
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 17.854, 177.547

Background



This preview shows how black text looks on a background with the CIELCh color 87, 17.854, 177.547.

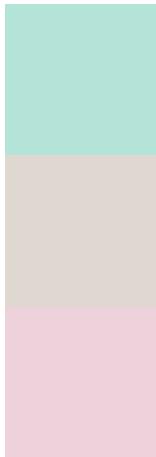


This preview shows how white text looks on a background with the CIELCh color 87, 17.854, 177.547.

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, 17.854, 177.547

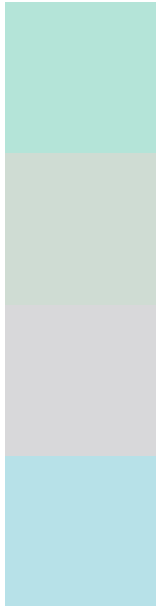
Protanopia
87, 4.446, 74.568

Deuteranopia
87, 10.923, 354.738



Tritanopia
87, 15.673, 235.869

Trichromacy



Original Color
87, 17.854, 177.547

Protanomaly
87, 6.679, 154.244

Deuteranomaly
86, 1.057, 290.331

Tritanomaly
87, 14.449, 213.296

Monochromacy



Original Color
87, 17.854, 177.547

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 6.965, 176.834

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 17.854, 177.547 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(180, 228, 216)` looks like.

```
.text, #text, p{  
    color:rgb(180, 228, 216)  
}
```

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(180, 228, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 228, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 17.854, 177.547 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(180, 228, 216) }
```

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

```
.border{ border-color:rgb(180, 228, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 228, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 228, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 228, 216);  
box-shadow:4px 4px 4px 4px rgb(180, 228,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 17.854, 177.547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 228, 216) }
```

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

```
.background{ background-color: rgb(180,  
228, 216) }
```

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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