

Converting Colors

CIELCh(86, 17.900, 167.955)

Have a look what the booklet for
CIELCh(86, 17.900, 167.955)
contains.

CIELCh(86, 18.286, 167.060)	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(86, 18.286, 167.060)

Conversions

Conversions Part 1

Format	Color
Hex	B5E1CF
RGB	181, 225, 207
RGB Percent	71%, 88%, 81%
CMY	0.2912, 0.1187, 0.1893
CMYK	0.20, 0.00, 0.08, 0.12
HSL	155°, 42%, 80%
HSV	155°, 20%, 88%
XYZ	57.0758, 67.9871, 68.9749
YIQ	209.7920, -20.4460, -14.9260

Conversions

Conversions Part 2

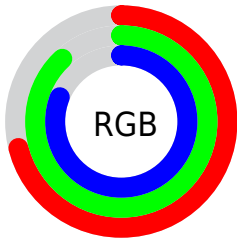
Format	Color
RYB	181, 209, 225
Decimal	11919823
CIELab	86.00, -17.82, 4.09
CIELCh	86, 18.286, 167.060
Yxy	67.9871, 0.2941, 0.3504
Android (android.graphics.Color)	4290109903 (0xFFB5E1CF)
YUV	209.7920, -1.3765, -25.2506
Hunter-Lab	82.4543, -20.7354, 8.1205

Details

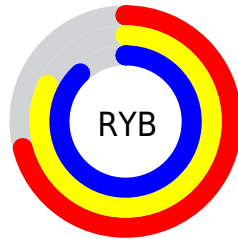
The CIELCh color **86, 18.286, 167.060** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **78, 18.978, 350.719**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 6.178, 199.121**, and **66, 18.560, 167.335** is the 20% darker color. If you saturate the color by 10%, you get **85, 27.377, 165.978**, and if you desaturate by 10%, it is **88, 8.985, 168.056**.

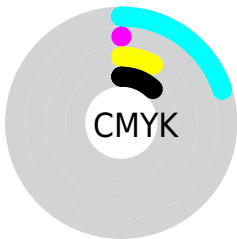
Distribution



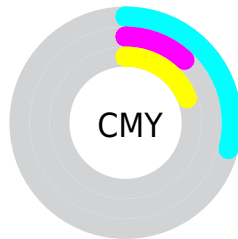
- Red (71%)
- Green (88%)
- Blue (81%)



- Red (71%)
- Yellow (82%)
- Blue (88%)



- Cyan (20%)
- Magenta (0%)
- Yellow (8%)
- Black (12%)





- Cyan (29%)
- Magenta (12%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 18.286, 167.060 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 86, 18.286, 167.060 by changing the saturation by 10% instead.


 86, 18.286,
167.060


 86, 18.286,
167.060


 100, 18.286,
167.060


 76, 18.286,
167.060


 66, 18.286,
167.060

 56, 18.286,
167.060

 46, 18.286,
167.060

 36, 18.286,
167.060


 26, 18.286,
167.060


 16, 18.286,


167.060

 6, 18.286, 167.060


 0, 18.286, 167.060

 86, 18.286,
167.060

 86, 18.286,
167.060

 85, 27.377,
165.978


 88, 8.985, 168.056


 83, 36.105,
164.785


 90, 0.405, 347.710

 92, 9.778, 349.666

 82, 44.314,
163.452

 92, 14.511,
338.561

 81, 51.848,
161.953

 93, 17.977,
327.217

 80, 58.576,

160.263

93, 18.932,
325.082

80, 64.415,
158.364

80, 69.356,
156.251

79, 73.544,
153.984

79, 73.716,
153.891

Harmonies

Complementary

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



86, 18.286, 167.060



78, 18.978, 350.719

Rectangle

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



86, 18.286, 167.060



86, 18.286, 217.060



86, 18.286, 347.060



86, 18.286, 37.060

Sweetspot

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



86, 18.288, 167.057



99, 6.239, 168.410



87, 24.856, 131.065



53, 4.138, 168.343



0, 0.000, 0.000



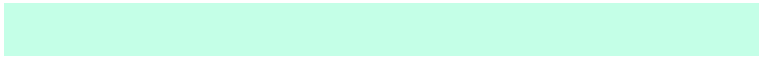
53, 0.007, 296.813

Same Dimension

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



86, 18.288, 167.057



96, 23.740, 166.682



85, 13.764, 206.600



46, 5.321, 168.069



63, 60.931, 154.298



17, 23.126, 158.727

Inverse Universe

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



78, 18.978, 350.719



85, 24.807, 351.121



78, 15.723, 27.710



44, 5.420, 349.661



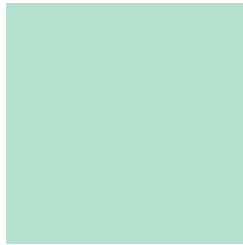
37, 64.092, 10.584



6, 25.737, 1.143

Previews

White Background



This preview shows how the CIELCh color 86, 18.286, 167.060 looks on a white background.

Color Contrast Check

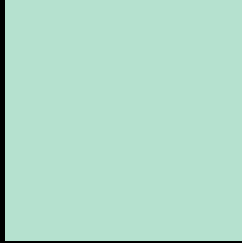
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 86, 18.286, 167.060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

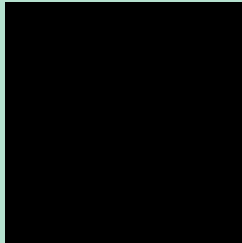
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

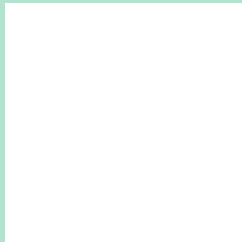
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 18.286, 167.060

Background



This preview shows how black text looks on a background with the CIELCh color 86, 18.286, 167.060.

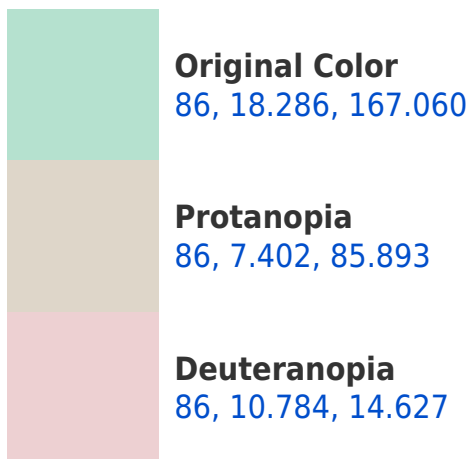


This preview shows how white text looks on a background with the CIELCh color 86, 18.286, 167.060.

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](#).

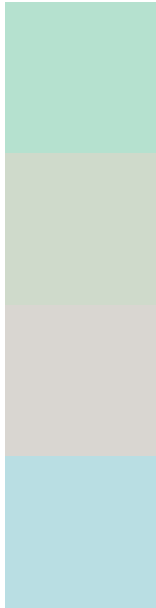
Dichromacy





Tritanopia
86, 14.257, 240.543

Trichromacy



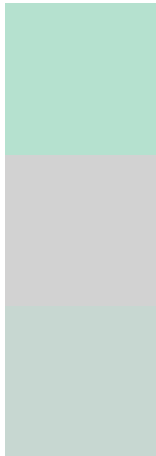
Original Color
86, 18.286, 167.060

Protanomaly
86, 8.851, 136.505

Deuteranomaly
86, 2.820, 87.087

Tritanomaly
86, 12.770, 210.517

Monochromacy



Original Color
86, 18.286, 167.060

Achromatopsia
84, 0.010, 296.813

Achromatomaly
85, 6.587, 170.381

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 18.286, 167.060 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(181, 225, 207)` looks like.

```
.text, #text, p{  
    color:rgb(181, 225, 207)  
}
```

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(181, 225, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 225, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 18.286, 167.060 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(181, 225, 207) }
```

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

```
.border{ border-color:rgb(181, 225, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 225, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 225, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 225, 207);  
box-shadow:4px 4px 4px 4px rgb(181, 225,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 18.286, 167.060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 225, 207) }
```

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

```
.background{ background-color: rgb(181,  
225, 207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor