

Converting Colors

CIELCh(87, 16.808, 185.268)

Have a look what the booklet for
CIELCh(87, 16.808, 185.268)
contains.

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Color

CIELCh(87, 16.597, 185.477)

Conversions

Conversions Part 1

Format	Color
Hex	B4E3DC
RGB	180, 227, 220
RGB Percent	71%, 89%, 86%
CMY	0.2931, 0.1087, 0.1362
CMYK	0.21, 0.00, 0.03, 0.11
HSL	171°, 46%, 80%
HSV	171°, 21%, 89%
XYZ	59.3837, 70.0064, 78.2832
YIQ	212.1490, -25.7650, -12.1410

Conversions

Conversions Part 2

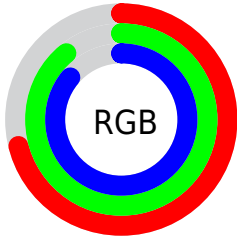
Format	Color
R _{YB}	180, 205, 227
Decimal	11854812
CIE _{Lab}	87.00, -16.52, -1.58
CIE _{LCh}	87, 16.597, 185.477
Y _{xy}	70.0064, 0.2859, 0.3371
Android (android.graphics.Color)	4290044892 (0xFFB4E3DC)
YUV	212.1490, 3.8705, -28.1947
Hunter-Lab	83.6698, -19.7339, 3.0960

Details

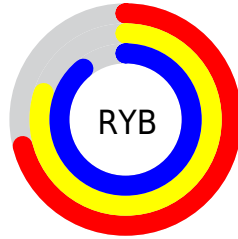
The CIELCh color **87, 16.597, 185.477** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **78, 18.295, 9.249**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 6.515, 199.095**, and **67, 16.906, 184.701** is the 20% darker color. If you saturate the color by 10%, you get **86, 24.000, 184.552**, and if you desaturate by 10%, it is **89, 8.743, 186.377**.

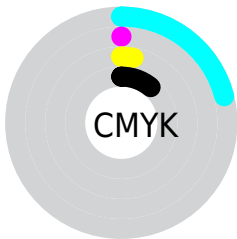
Distribution



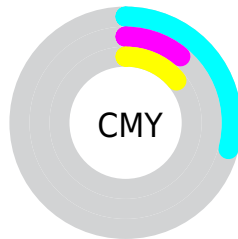
- Red (71%)
- Green (89%)
- Blue (86%)



- Red (71%)
- Yellow (80%)
- Blue (89%)



- Cyan (21%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)





- Cyan (29%)
- Magenta (11%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 16.597, 185.477 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, 16.597, 185.477 by changing the saturation by 10% instead.


 87, 16.597,
185.477


 87, 16.597,
185.477


 100, 16.597,
185.477


 77, 16.597,
185.477

 67, 16.597,
185.477

 57, 16.597,
185.477

 47, 16.597,
185.477

 37, 16.597,
185.477

 27, 16.597,
185.477

 17, 16.597,

185.477

■ 7, 16.597, 185.477

■ 0, 16.597, 185.477

■ 87, 16.597,
185.477

■ 87, 16.597,
185.477

■ 86, 24.000,
184.552

■ 89, 8.743, 186.377

■ 85, 30.808,
183.592

■ 90, 0.565, 188.178

■ 92, 7.821, 7.904

■ 84, 36.885,
182.576

■ 93, 10.558, 1.546

■ 83, 42.107,
181.486


■ 93, 11.200,
353.042


■ 82, 46.388,


■ 93, 12.066,


180.300


345.624


 82, 49.692,
178.998

 93, 13.112,
339.314

 81, 52.055,
177.558

 93, 14.298,
334.013

 81, 53.593,
176.111

 93, 15.592,
329.580

Harmonies

Complementary

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



87, 16.597, 185.477



78, 18.295, 9.249

Rectangle

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



87, 16.597, 185.477



87, 16.597, 235.477



87, 16.597, 5.477



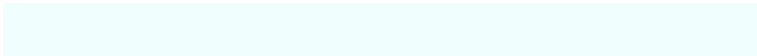
87, 16.597, 55.477

Sweetspot

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



87, 16.598, 185.472



99, 5.428, 186.823



87, 28.686, 139.194



53, 3.597, 186.756



0, 0.000, 0.000



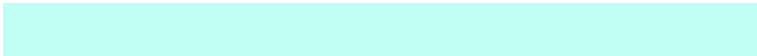
53, 0.007, 296.813

Same Dimension

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



87, 16.598, 185.472



96, 21.790, 185.065



83, 13.268, 240.048



47, 4.694, 186.491



65, 44.605, 176.380



18, 18.208, 179.073

Inverse Universe

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



78, 18.295, 9.249



83, 24.575, 9.815



82, 14.752, 56.002



45, 4.901, 7.998



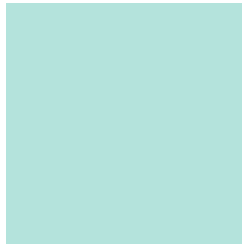
37, 73.450, 32.876



7, 26.728, 15.562

Previews

White Background



This preview shows how the CIELCh color 87, 16.597, 185.477 looks on a white background.

Color Contrast Check

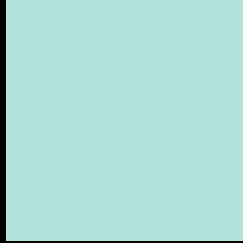
Large Text (above 18pt) WCAG AA × Fail

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, 16.597, 185.477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

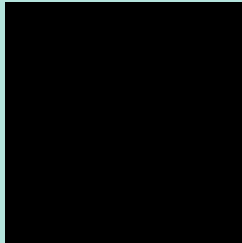
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

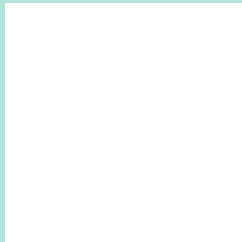
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 16.597, 185.477

Background



This preview shows how black text looks on a background with the CIELCh color 87, 16.597, 185.477.

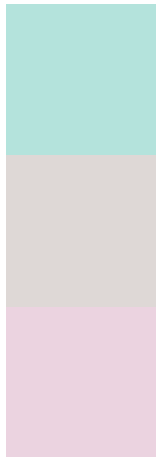


This preview shows how white text looks on a background with the CIELCh color 87, 16.597, 185.477.

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, 16.597, 185.477

Protanopia
87, 2.405, 45.022

Deuteranopia
87, 11.046, 342.260

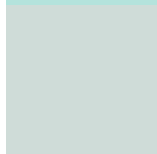


Tritanopia
87, 15.673, 235.869

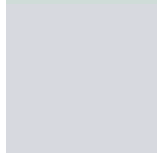
Trichromacy



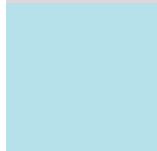
Original Color
87, 16.597, 185.477



Protanomaly
87, 5.115, 174.989



Deuteranomaly
87, 3.217, 277.720



Tritanomaly
87, 14.659, 217.393

Monochromacy



Original Color
87, 16.597, 185.477



Achromatopsia
85, 0.010, 296.813



Achromatomaly
86, 6.602, 185.199

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 16.597, 185.477 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, 227, 220)` looks like.

```
.text, #text, p{  
    color:rgb(180, 227, 220)  
}
```

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, 227, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 227, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 16.597, 185.477 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, 227, 220) }
```

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

```
.border{ border-color:rgb(180, 227, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 227, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 227, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 227, 220);  
box-shadow:4px 4px 4px 4px rgb(180, 227,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 16.597, 185.477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 227, 220) }
```

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

```
.background{ background-color: rgb(180,  
227, 220) }
```

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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