

Converting Colors

CIELCh(87, 15.418, 187.087)

Have a look what the booklet for
CIELCh(87, 15.418, 187.087)
contains.

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Color

CIELCh(87, 15.499, 186.631)

Conversions

Conversions Part 1

Format	Color
Hex	B7E3DD
RGB	183, 227, 221
RGB Percent	72%, 89%, 87%
CMY	0.2835, 0.1110, 0.1345
CMYK	0.19, 0.00, 0.03, 0.11
HSL	172°, 44%, 80%
HSV	172°, 19%, 89%
XYZ	59.8542, 70.0064, 78.5530
YIQ	213.1600, -24.2980, -11.1940

Conversions

Conversions Part 2

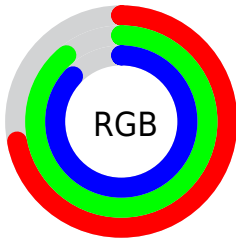
Format	Color
RYB	183, 207, 227
Decimal	12051421
CIELab	87.00, -15.40, -1.79
CIELCh	87, 15.499, 186.631
Yxy	70.0064, 0.2872, 0.3359
Android (android.graphics.Color)	4290241501 (0xFFB7E3DD)
YUV	213.1600, 3.8651, -26.4503
Hunter-Lab	83.6698, -18.7302, 2.9048

Details

The CIELCh color **87, 15.499, 186.631** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **78, 17.029, 10.072**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 5.163, 199.206**, and **67, 15.777, 185.909** is the 20% darker color. If you saturate the color by 10%, you get **86, 22.891, 185.735**, and if you desaturate by 10%, it is **89, 7.662, 187.514**.

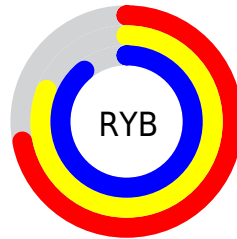
Distribution



Red (72%)

Green (89%)

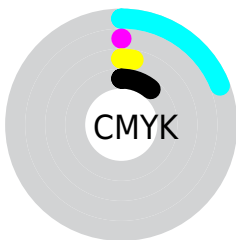
Blue (87%)



Red (72%)

Yellow (81%)

Blue (89%)

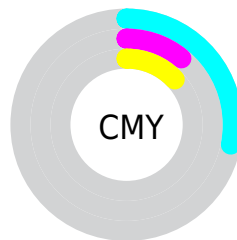


Cyan (19%)

Magenta (0%)

Yellow (3%)

Black (11%)



Cyan (28%)

Magenta (11%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 15.499, 186.631 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, 15.499, 186.631 by changing the saturation by 10% instead.

■ 87, 15.499,
186.631

■ 87, 15.499,
186.631

■ 100, 15.499,
186.631

■ 77, 15.499,
186.631

■ 67, 15.499,
186.631

■ 57, 15.499,
186.631

■ 47, 15.499,
186.631

■ 37, 15.499,
186.631

■ 27, 15.499,
186.631

■ 17, 15.499,

186.631

■ 7, 15.499, 186.631

■ 0, 15.499, 186.631

■ 87, 15.499,
186.631

■ 87, 15.499,
186.631

■ 86, 22.891,
185.735

■ 89, 7.662, 187.514

■ 84, 29.696,
184.813

■ 90, 0.494, 7.092

■ 92, 8.856, 9.004

■ 84, 35.778,
183.845

■ 93, 10.739, 2.384

■ 83, 41.013,
182.813

■ 93, 11.292,
354.649

■ 82, 45.309,


■ 93, 12.035,


181.699


347.764


 82, 48.626,
180.480


 93, 12.936,
341.774

 81, 50.992,
179.138

 93, 13.964,
336.631

 81, 52.576,
177.677

 93, 15.093,
332.244

 81, 52.662,
177.590

Harmonies

Complementary

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



87, 15.499, 186.631



78, 17.029, 10.072

Rectangle

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



87, 15.499, 186.631



87, 15.499, 236.631



87, 15.499, 6.631



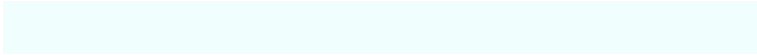
87, 15.499, 56.631

Sweetspot

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



87, 15.500, 186.626



99, 5.405, 187.836



87, 26.851, 139.273



53, 3.582, 187.770



0, 0.000, 0.000



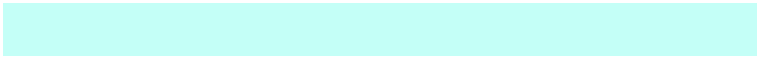
53, 0.007, 296.813

Same Dimension

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



87, 15.500, 186.626



96, 20.031, 186.295



83, 12.455, 239.880



46, 4.587, 187.511



64, 43.455, 177.859



17, 17.390, 180.533

Inverse Universe

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



78, 17.029, 10.072



85, 22.443, 10.528



82, 13.749, 56.102



44, 4.796, 8.984



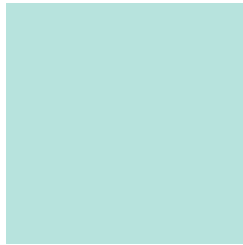
37, 73.232, 33.613



6, 25.308, 15.178

Previews

White Background



This preview shows how the CIELCh color 87, 15.499, 186.631 looks on a white background.

Color Contrast Check

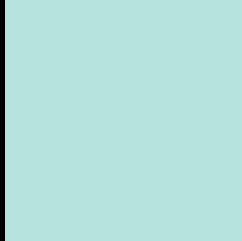
Large Text (above 18pt) WCAG AA × Fail

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, 15.499, 186.631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

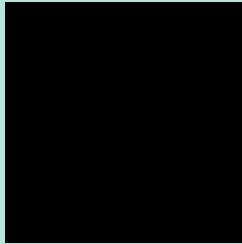
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

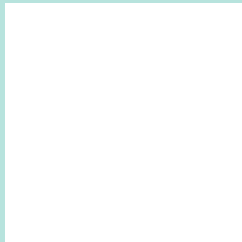
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 15.499, 186.631

Background



This preview shows how black text looks on a background with the CIELCh color 87, 15.499, 186.631.

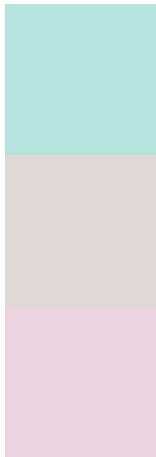


This preview shows how white text looks on a background with the CIELCh color 87, 15.499, 186.631.

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, 15.499, 186.631

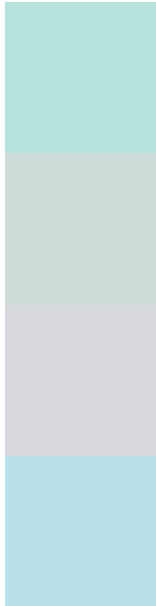
Protanopia
87, 2.231, 32.824

Deuteranopia
87, 11.046, 342.260



Tritanopia
87, 14.901, 235.595

Trichromacy



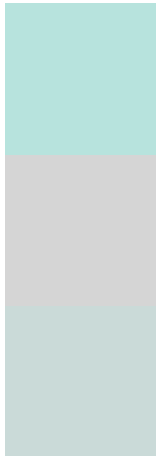
Original Color
87, 15.499, 186.631

Protanomaly
87, 4.576, 179.139

Deuteranomaly
87, 3.164, 284.016

Tritanomaly
87, 14.067, 218.253

Monochromacy



Original Color
87, 15.499, 186.631

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 5.789, 188.633

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 15.499, 186.631 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(183, 227, 221)` looks like.

```
.text, #text, p{  
    color:rgb(183, 227, 221)  
}
```

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(183, 227, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 227, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 15.499, 186.631 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(183, 227, 221) }
```

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

```
.border{ border-color:rgb(183, 227, 221) }
```

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

Here you see how a box with a 4 pixel rgb(183, 227, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 227, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 227, 221);  
box-shadow:4px 4px 4px 4px rgb(183, 227,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 15.499, 186.631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 227, 221) }
```

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

```
.background{ background-color: rgb(183,  
227, 221) }
```

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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