

Converting Colors

CIELCh(87, 18.177, 158.945)

Have a look what the booklet for
CIELCh(87, 18.177, 158.945)
contains.

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Color

CIELCh(87, 18.175, 158.947)

Conversions

Conversions Part 1

Format	Color
Hex	BCE3CD
RGB	188, 227, 205
RGB Percent	74%, 89%, 80%
CMY	0.2629, 0.1100, 0.1962
CMYK	0.17, 0.00, 0.10, 0.11
HSL	146°, 41%, 81%
HSV	146°, 17%, 89%
XYZ	59.2002, 70.0064, 68.1230
YIQ	212.8310, -16.1820, -15.1100

Conversions

Conversions Part 2

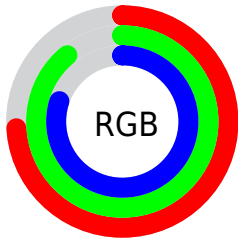
Format	Color
RYB	188, 215, 227
Decimal	12379085
CIELab	87.00, -16.96, 6.53
CIELCh	87, 18.175, 158.947
Yxy	70.0064, 0.3000, 0.3548
Android (android.graphics.Color)	4290569165 (0xFFBCE3CD)
YUV	212.8310, -3.8607, -21.7768
Hunter-Lab	83.6698, -20.1253, 10.2956

Details

The CIELCh color **87, 18.175, 158.947** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **80, 18.467, 341.728**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 3.457, 199.378**, and **67, 18.475, 159.071** is the 20% darker color. If you saturate the color by 10%, you get **85, 28.676, 157.964**, and if you desaturate by 10%, it is **89, 7.586, 159.841**.

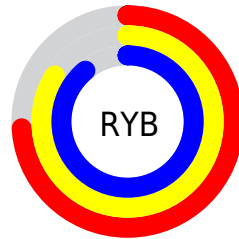
Distribution



Red (74%)

Green (89%)

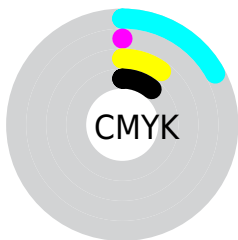
Blue (80%)



Red (74%)

Yellow (84%)

Blue (89%)

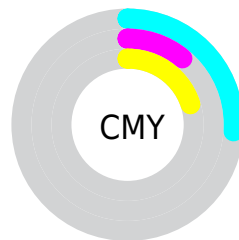


Cyan (17%)

Magenta (0%)

Yellow (10%)

Black (11%)



Cyan (26%)

Magenta (11%)

Yellow (20%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 18.175, 158.947 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, 18.175, 158.947 by changing the saturation by 10% instead.


 87, 18.175,
158.947

 87, 18.175,
158.947

 100, 18.175,
158.947

 77, 18.175,
158.947


 67, 18.175,
158.947

 57, 18.175,
158.947

 47, 18.175,
158.947

 37, 18.175,
158.947


 27, 18.175,
158.947


 17, 18.175,


158.947

 7, 18.175, 158.947

 0, 18.175, 158.947

 87, 18.175,
158.947

 87, 18.175,
158.947


 85, 28.676,
157.964


 89, 7.586, 159.841


 84, 38.930,
156.857

 91, 2.970, 340.417

 83, 48.759,
155.599

 93, 13.105,
340.154

 82, 57.979,
154.163

 93, 17.529,
325.032

 81, 66.415,

152.529

■ 80, 73.928,
150.685

■ 80, 80.449,
148.637

■ 80, 86.004,
146.430

■ 80, 87.460,
145.824

Harmonies

Complementary

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



87, 18.175, 158.947



80, 18.467, 341.728

Rectangle

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



87, 18.175, 158.947



87, 18.175, 208.947



87, 18.175, 338.947



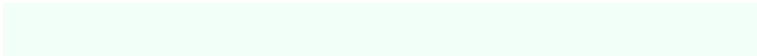
87, 18.175, 28.947

Sweetspot

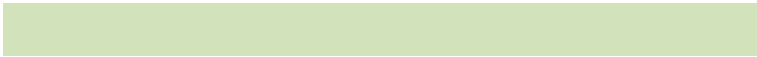
The Sweet Spot groups the original color and five complimentary colors.



87, 18.177, 158.945



99, 5.796, 160.039



88, 21.206, 125.883



53, 3.956, 159.972



0, 0.000, 0.000



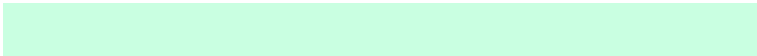
53, 0.007, 296.813

Same Dimension

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



87, 18.177, 158.945



96, 24.400, 158.571



87, 13.486, 192.705



47, 6.056, 159.640



64, 72.480, 146.207



18, 27.884, 150.380

Inverse Universe

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



80, 18.467, 341.728



87, 24.872, 342.087



80, 14.873, 15.300



45, 6.115, 341.054



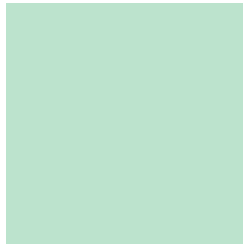
39, 65.948, 355.959



7, 28.352, 350.245

Previews

White Background



This preview shows how the CIELCh color 87, 18.175, 158.947 looks on a white background.

Color Contrast Check

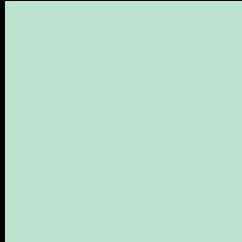
Large Text (above 18pt) WCAG AA × Fail

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 87, 18.175, 158.947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

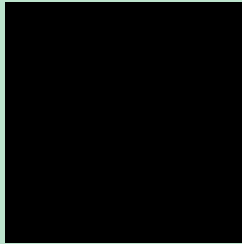
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

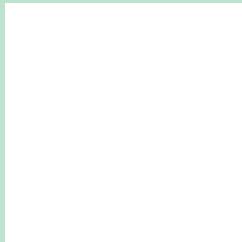
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 18.175, 158.947

Background



This preview shows how black text looks on a background with the CIELCh color 87, 18.175, 158.947.

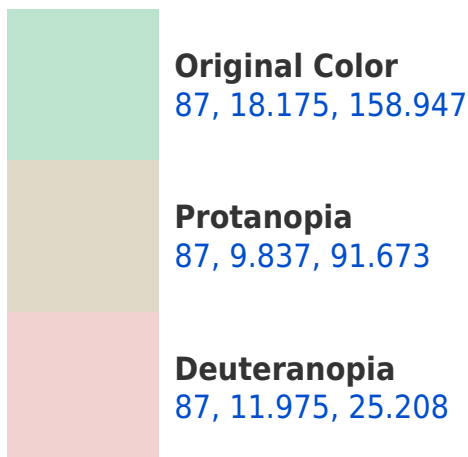


This preview shows how white text looks on a background with the CIELCh color 87, 18.175, 158.947.

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](#).

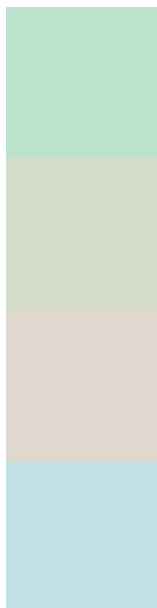
Dichromacy





Tritanopia
87, 13.092, 245.203

Trichromacy



Original Color
87, 18.175, 158.947

Protanomaly
87, 10.962, 126.894

Deuteranomaly
87, 5.173, 84.507

Tritanomaly
87, 11.049, 206.917

Monochromacy



Original Color
87, 18.175, 158.947

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 6.595, 159.557

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 18.175, 158.947 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(188, 227, 205)` looks like.

```
.text, #text, p{  
    color:rgb(188, 227, 205)  
}
```

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(188, 227, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 227, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 18.175, 158.947 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(188, 227, 205) }
```

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

```
.border{ border-color:rgb(188, 227, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 227, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 227, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 227, 205);  
box-shadow:4px 4px 4px 4px rgb(188, 227,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 18.175, 158.947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 227, 205) }
```

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

```
.background{ background-color: rgb(188,  
227, 205) }
```

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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