

Converting Colors

CIELCh(87, 20.003, 166.442)

Have a look what the booklet for
CIELCh(87, 20.003, 166.442)
contains.

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Color

CIELCh(87, 19.988, 166.451)

Conversions

Conversions Part 1

Format	Color
Hex	B4E4D0
RGB	180, 228, 208
RGB Percent	71%, 89%, 82%
CMY	0.2927, 0.1044, 0.1829
CMYK	0.21, 0.00, 0.09, 0.10
HSL	155°, 47%, 80%
HSV	155°, 21%, 90%
XYZ	58.1789, 70.0064, 70.3528
YIQ	211.3680, -22.1880, -16.3960

Conversions

Conversions Part 2

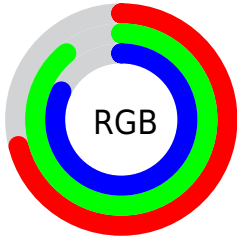
Format	Color
RYB	180, 210, 228
Decimal	11855056
CIELab	87.00, -19.43, 4.68
CIELCh	87, 19.988, 166.451
Yxy	70.0064, 0.2930, 0.3526
Android (android.graphics.Color)	4290045136 (0xFFB4E4D0)
YUV	211.3680, -1.6604, -27.5097
Hunter-Lab	83.6698, -22.3043, 8.7156

Details

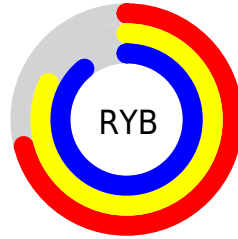
The CIELCh color **87, 19.988, 166.451** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **78, 20.776, 350.405**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 6.515, 199.095**, and **67, 19.723, 167.424** is the 20% darker color. If you saturate the color by 10%, you get **86, 29.215, 165.356**, and if you desaturate by 10%, it is **89, 10.532, 167.453**.

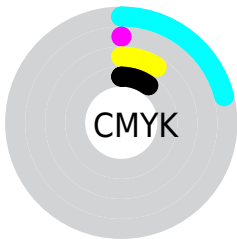
Distribution



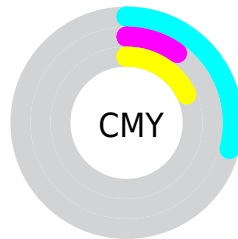
- Red (71%)
- Green (89%)
- Blue (82%)



- Red (71%)
- Yellow (82%)
- Blue (89%)



- Cyan (21%)
- Magenta (0%)
- Yellow (9%)
- Black (10%)





- Cyan (29%)
- Magenta (10%)
- Yellow (18%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 19.988, 166.451 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, 19.988, 166.451 by changing the saturation by 10% instead.


 87, 19.988,
166.451


 87, 19.988,
166.451


 100, 19.988,
166.451


 77, 19.988,
166.451

 67, 19.988,
166.451

 57, 19.988,
166.451

 47, 19.988,
166.451

 37, 19.988,
166.451


 27, 19.988,
166.451


 17, 19.988,


166.451

 7, 19.988, 166.451


 0, 19.988, 166.451

 87, 19.988,
166.451

 87, 19.988,
166.451


 86, 29.215,
165.356


 89, 10.532,
167.453


 84, 38.056,
164.143


 91, 0.974, 168.800

 93, 8.576, 349.077

 83, 46.351,
162.785

 93, 13.284,
335.888

 82, 53.942,
161.256

 94, 16.644,
325.001

 82, 60.700,

159.531

■ 81, 66.550,
157.593

■ 81, 71.494,
155.444

■ 80, 75.311,
153.399

Harmonies

Complementary

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



87, 19.988, 166.451



78, 20.776, 350.405

Rectangle

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



87, 19.988, 166.451



87, 19.988, 216.451



87, 19.988, 346.451



87, 19.988, 36.451

Sweetspot

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



87, 19.990, 166.449



99, 6.271, 167.949



88, 26.926, 130.429



53, 4.160, 167.881



0, 0.000, 0.000



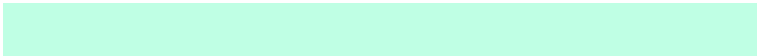
53, 0.007, 296.813

Same Dimension

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



87, 19.990, 166.449



95, 25.906, 166.010



87, 15.132, 204.823



47, 5.449, 167.607



64, 62.158, 153.804



18, 24.182, 157.991

Inverse Universe

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



78, 20.776, 350.405



84, 27.133, 350.876



78, 17.466, 26.340



45, 5.547, 349.196



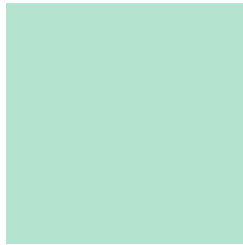
38, 64.722, 9.902



7, 26.991, 1.128

Previews

White Background



This preview shows how the CIELCh color 87, 19.988, 166.451 looks on a white background.

Color Contrast Check

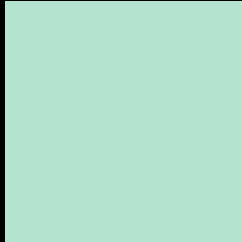
Large Text (above 18pt) WCAG AA × Fail

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, 19.988, 166.451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

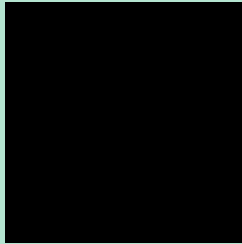
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

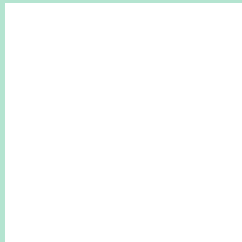
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 19.988, 166.451

Background



This preview shows how black text looks on a background with the CIELCh color 87, 19.988, 166.451.

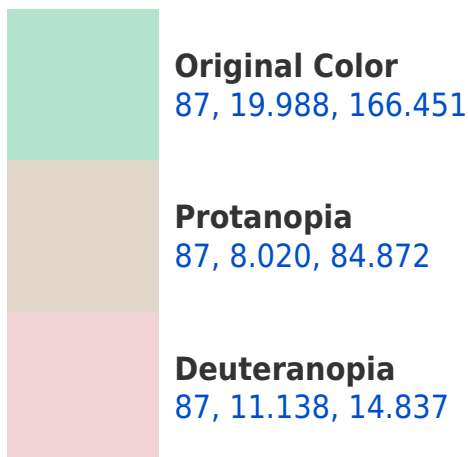


This preview shows how white text looks on a background with the CIELCh color 87, 19.988, 166.451.

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



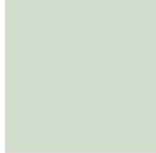


Tritanopia
87, 14.901, 235.595

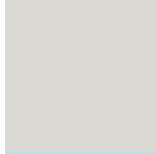
Trichromacy



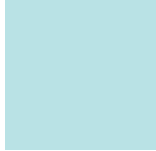
Original Color
87, 19.988, 166.451



Protanomaly
87, 9.305, 135.050



Deuteranomaly
87, 3.144, 103.245

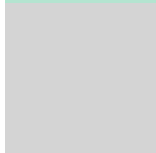


Tritanomaly
87, 13.923, 205.018

Monochromacy



Original Color
87, 19.988, 166.451



Achromatopsia
85, 0.010, 296.813



Achromatomaly
86, 7.458, 169.427

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 19.988, 166.451 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(180, 228, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 228, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 19.988, 166.451 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, 208) }
```

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

```
.border{ border-color:rgb(180, 228, 208) }
```

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, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 228, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 228, 208);  
box-shadow:4px 4px 4px 4px rgb(180, 228,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 19.988, 166.451 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, 208) }
```

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

```
.background{ background-color: rgb(180,  
228, 208) }
```

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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