

Converting Colors

CIELCh(87, 15.667, 163.802)

Have a look what the booklet for
CIELCh(87, 15.667, 163.802)
contains.

CIELCh(87, 15.680, 163.795)	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(87, 15.680, 163.795)

Conversions

Conversions Part 1

Format	Color
Hex	BEE2D1
RGB	190, 226, 209
RGB Percent	75%, 89%, 82%
CMY	0.2546, 0.1134, 0.1800
CMYK	0.16, 0.00, 0.08, 0.11
HSL	152°, 38%, 82%
HSV	152°, 16%, 89%
XYZ	59.9960, 70.0064, 70.7280
YIQ	213.2980, -15.9990, -12.9190

Conversions

Conversions Part 2

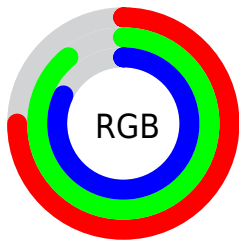
Format	Color
RYB	190, 214, 226
Decimal	12509905
CIELab	87.00, -15.06, 4.38
CIElCh	87, 15.680, 163.795
Yxy	70.0064, 0.2989, 0.3488
Android (android.graphics.Color)	4290699985 (0xFFBEE2D1)
YUV	213.2980, -2.1189, -20.4323
Hunter-Lab	83.6698, -18.4276, 8.4497

Details

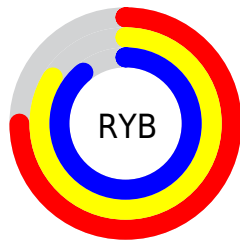
The CIELCh color **87, 15.680, 163.795** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **80, 16.046, 346.562**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 2.770, 199.469**, and **67, 15.855, 164.218** is the 20% darker color. If you saturate the color by 10%, you get **85, 25.404, 162.774**, and if you desaturate by 10%, it is **89, 5.836, 164.750**.

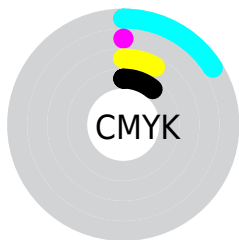
Distribution



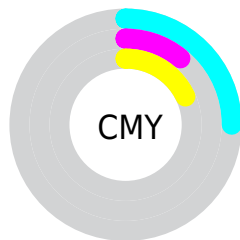
- Red (75%)
- Green (89%)
- Blue (82%)



- Red (75%)
- Yellow (84%)
- Blue (89%)



- Cyan (16%)
- Magenta (0%)
- Yellow (8%)
- Black (11%)



- Cyan (25%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 15.680, 163.795 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, 15.680, 163.795 by changing the saturation by 10% instead.

■ 87, 15.680,
163.795

■ 87, 15.680,
163.795

■ 100, 15.680,
163.795

■ 77, 15.680,
163.795

■ 67, 15.680,
163.795

■ 57, 15.680,
163.795

■ 47, 15.680,
163.795

■ 37, 15.680,
163.795


■ 27, 15.680,
163.795


■ 17, 15.680,


163.795

 7, 15.680, 163.795


 0, 15.680, 163.795

 87, 15.680,
163.795


 87, 15.680,
163.795


 85, 25.404,
162.774


 89, 5.836, 164.750


 84, 34.857,
161.643

 91, 4.015, 345.384


 83, 43.880,
160.372

 93, 12.925,
343.506

 82, 52.304,
158.935

 93, 16.755,
328.245

 81, 59.972,

 93, 18.076,
325.052

157.308

■ 80, 66.768,
155.471

■ 80, 72.639,
153.418

■ 80, 77.622,
151.171

■ 79, 79.494,
150.253

Harmonies

Complementary

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



87, 15.680, 163.795



80, 16.046, 346.562

Rectangle

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



87, 15.680, 163.795



87, 15.680, 213.795



87, 15.680, 343.795



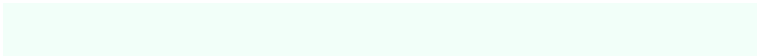
87, 15.680, 33.795

Sweetspot

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



87, 15.682, 163.792



99, 5.427, 164.840



88, 19.971, 128.942



53, 3.704, 164.768



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, 15.682, 163.792



96, 20.605, 163.477



87, 12.135, 200.109



46, 5.561, 164.411



63, 65.361, 150.670



17, 24.636, 155.152

Inverse Universe

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



80, 16.046, 346.562



88, 21.178, 346.883



80, 13.467, 21.788



44, 5.641, 345.936



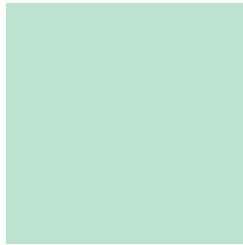
38, 63.965, 4.475



6, 26.174, 356.767

Previews

White Background



This preview shows how the CIELCh color 87, 15.680, 163.795 looks on a white background.

Color Contrast Check

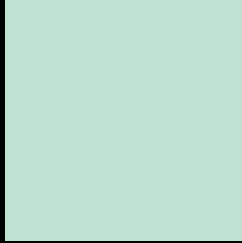
Large Text (above 18pt) WCAG AA × Fail

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, 15.680, 163.795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

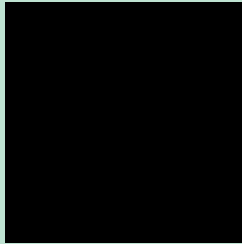
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

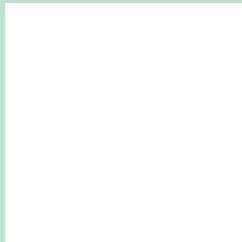
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 15.680, 163.795

Background



This preview shows how black text looks on a background with the CIELCh color 87, 15.680, 163.795.

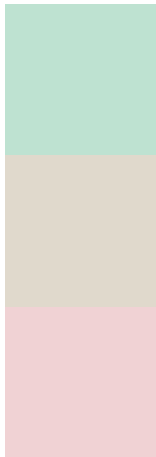


This preview shows how white text looks on a background with the CIELCh color 87, 15.680, 163.795.

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](#).

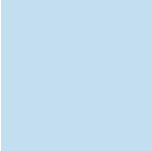
Dichromacy



Original Color
87, 15.680, 163.795

Protanopia
87, 7.242, 88.615

Deuteranopia
87, 11.138, 14.837

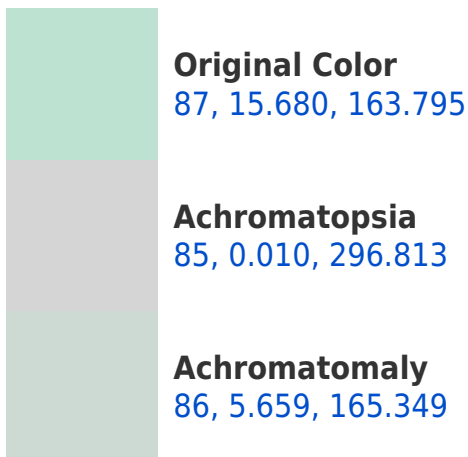


Tritanopia
87, 12.520, 244.465

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 15.680, 163.795 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(190, 226, 209)` looks like.

```
.text, #text, p{  
    color:rgb(190, 226, 209)  
}
```

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(190, 226, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 226, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 15.680, 163.795 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(190, 226, 209) }
```

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

```
.border{ border-color:rgb(190, 226, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 226, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 226, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 226, 209);  
box-shadow:4px 4px 4px 4px rgb(190, 226,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 15.680, 163.795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 226, 209) }
```

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

```
.background{ background-color: rgb(190,  
226, 209) }
```

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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