

Converting Colors

CIELCh(87, 15.286, 163.236)

Have a look what the booklet for
CIELCh(87, 15.286, 163.236)
contains.

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Color

CIELCh(87, 15.398, 163.103)

Conversions

Conversions Part 1

Format	Color
Hex	BFE2D1
RGB	191, 226, 209
RGB Percent	75%, 89%, 82%
CMY	0.2513, 0.1141, 0.1807
CMYK	0.15, 0.00, 0.08, 0.11
HSL	151°, 38%, 82%
HSV	151°, 15%, 89%
XYZ	60.1320, 70.0064, 70.6061
YIQ	213.5970, -15.4030, -12.7070

Conversions

Conversions Part 2

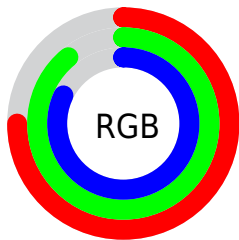
Format	Color
RYB	191, 214, 226
Decimal	12575441
CIELab	87.00, -14.73, 4.48
CIELCh	87, 15.398, 163.103
Yxy	70.0064, 0.2995, 0.3487
Android (android.graphics.Color)	4290765521 (0xFFBFE2D1)
YUV	213.5970, -2.2663, -19.8176
Hunter-Lab	83.6698, -18.1375, 8.5361

Details

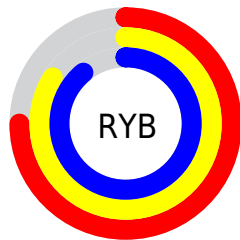
The CIELCh color $87, 15.398, 163.103$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $81, 15.727, 345.756$, and the grayscale version is $85, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 2.426, 199.524$, and $67, 15.562, 163.531$ is the 20% darker color. If you saturate the color by 10%, you get $85, 25.232, 162.093$, and if you desaturate by 10%, it is $89, 5.457, 164.050$.

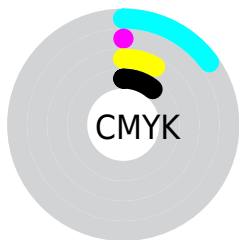
Distribution



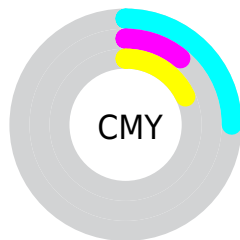
- Red (75%)
- Green (89%)
- Blue (82%)



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



- Cyan (15%)
- Magenta (0%)
- Yellow (8%)
- Black (11%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 15.398, 163.103 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, 15.398, 163.103 by changing the saturation by 10% instead.


 87, 15.398,
163.103


 87, 15.398,
163.103


 100, 15.398,
163.103


 77, 15.398,
163.103


 67, 15.398,
163.103

 57, 15.398,
163.103

 47, 15.398,
163.103

 37, 15.398,
163.103


 27, 15.398,
163.103


 17, 15.398,


163.103

 7, 15.398, 163.103


 0, 15.398, 163.103

 87, 15.398,
163.103

 87, 15.398,
163.103


 85, 25.232,
162.093


 89, 5.457, 164.050


 84, 34.811,
160.973

 91, 4.476, 344.681


 83, 43.972,
159.712

 93, 13.250,
342.081

 82, 52.545,
158.285

 93, 17.277,
327.176

 81, 60.371,

 93, 18.189,
325.056

156.668

■ 80, 67.327,
154.841

■ 80, 73.353,
152.798

■ 79, 78.478,
150.561

■ 79, 80.594,
149.546

Harmonies

Complementary

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



87, 15.398, 163.103



81, 15.727, 345.756

Rectangle

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



87, 15.398, 163.103



87, 15.398, 213.103



87, 15.398, 343.103



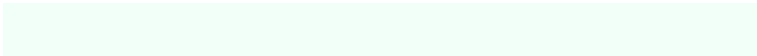
87, 15.398, 33.103

Sweetspot

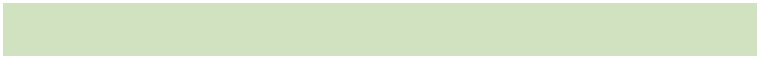
The Sweet Spot groups the original color and five complimentary colors.



87, 15.400, 163.100



99, 5.479, 164.097



88, 19.338, 128.375



53, 3.739, 164.025



0, 0.000, 0.000



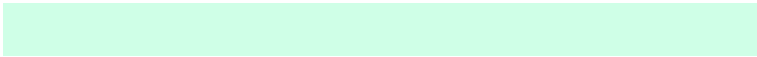
53, 0.007, 296.813

Same Dimension

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



87, 15.400, 163.100



96, 20.814, 162.745



87, 12.018, 198.626



46, 5.615, 163.672



63, 66.301, 149.960



17, 24.961, 154.444

Inverse Universe

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



81, 15.727, 345.756



88, 21.356, 346.114



80, 13.286, 20.430



44, 5.692, 345.181



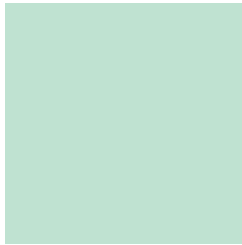
38, 64.048, 3.186



6, 26.293, 355.786

Previews

White Background



This preview shows how the CIE LCh color 87, 15.398, 163.103 looks on a white background.

Color Contrast Check

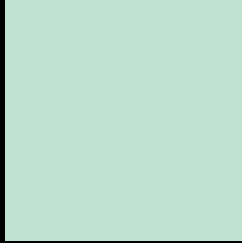
Large Text (above 18pt) WCAG AA × Fail

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, 15.398, 163.103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

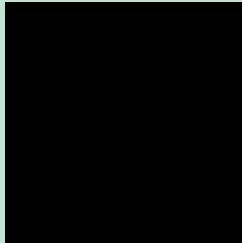
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

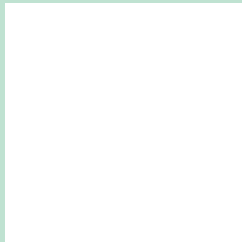
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 15.398, 163.103

Background



This preview shows how black text looks on a background with the CIELCh color 87, 15.398, 163.103.

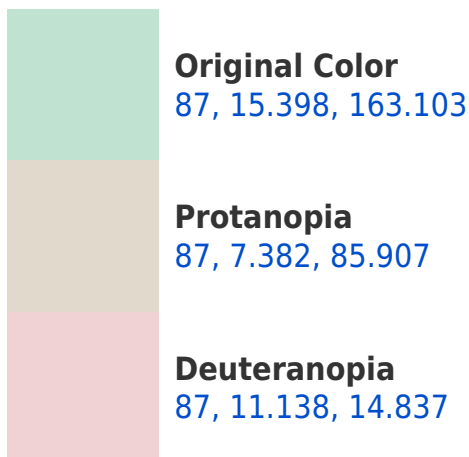


This preview shows how white text looks on a background with the CIELCh color 87, 15.398, 163.103.

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](#).

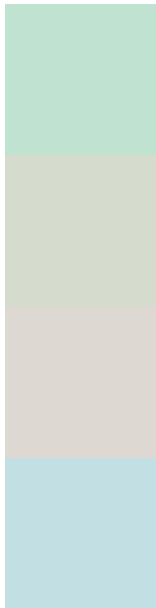
Dichromacy





Tritanopia
87, 12.450, 248.457

Trichromacy



Original Color
87, 15.398, 163.103

Protanomaly
87, 7.758, 128.806

Deuteranomaly
87, 3.389, 69.645

Tritanomaly
87, 10.226, 213.687

Monochromacy



Original Color
87, 15.398, 163.103

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 5.366, 163.279

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 15.398, 163.103 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(191, 226, 209)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 226, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 226, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 15.398, 163.103 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(191, 226, 209) }
```

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

```
.border{ border-color:rgb(191, 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(191, 226, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 226, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 226, 209);  
box-shadow:4px 4px 4px 4px rgb(191, 226,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 15.398, 163.103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 226, 209) }
```

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

```
.background{ background-color: rgb(191,  
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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