

Converting Colors

CIELCh(87, 12.876, 167.919)

Have a look what the booklet for
CIELCh(87, 12.876, 167.919)
contains.

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Color

CIELCh(87, 13.017, 167.029)

Conversions

Conversions Part 1

Format	Color
Hex	C2E1D4
RGB	194, 225, 212
RGB Percent	76%, 88%, 83%
CMY	0.2396, 0.1180, 0.1690
CMYK	0.14, 0.00, 0.06, 0.12
HSL	155°, 34%, 82%
HSV	155°, 14%, 88%
XYZ	60.9970, 70.0064, 72.5243
YIQ	214.2490, -14.3030, -10.6150

Conversions

Conversions Part 2

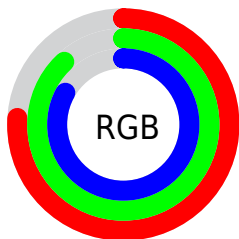
Format	Color
RYB	194, 214, 225
Decimal	12771796
CIELab	87.00, -12.68, 2.92
CIElCh	87, 13.017, 167.029
Yxy	70.0064, 0.2997, 0.3440
Android (android.graphics.Color)	4290961876 (0xFFC2E1D4)
YUV	214.2490, -1.1088, -17.7584
Hunter-Lab	83.6698, -16.2921, 7.1768

Details

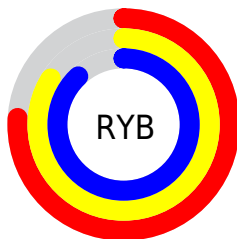
The CIELCh color **87, 13.017, 167.029** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **81, 13.349, 349.470**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 1.389, 199.794**, and **67, 13.387, 165.856** is the 20% darker color. If you saturate the color by 10%, you get **85, 22.331, 166.003**, and if you desaturate by 10%, it is **89, 3.576, 168.039**.

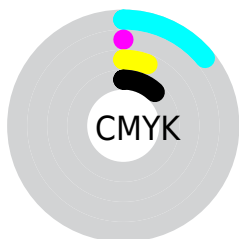
Distribution



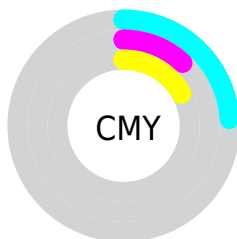
- Red (76%)
- Green (88%)
- Blue (83%)



- Red (76%)
- Yellow (84%)
- Blue (88%)



- Cyan (14%)
- Magenta (0%)
- Yellow (6%)
- Black (12%)





- Cyan (24%)
- Magenta (12%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 13.017, 167.029 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, 13.017, 167.029 by changing the saturation by 10% instead.


 87, 13.017,
167.029


 87, 13.017,
167.029


 100, 13.017,
167.029


 77, 13.017,
167.029

 67, 13.017,
167.029

 57, 13.017,
167.029

 47, 13.017,
167.029

 37, 13.017,
167.029

 27, 13.017,
167.029

 17, 13.017,

167.029

■ 7, 13.017, 167.029

■ 0, 13.017, 167.029

■ 87, 13.017,
167.029

■ 87, 13.017,
167.029

■ 85, 22.331,
166.003

■ 89, 3.576, 168.039

■ 84, 31.376,
164.881

■ 91, 5.884, 348.669

■ 83, 40.001,
163.633

■ 92, 13.357,
344.165

■ 82, 48.043,
162.232

■ 93, 16.639,
330.482

■ 81, 55.354,

■ 93, 18.819,
325.078

160.653

■ 80, 61.818,
158.872

■ 80, 67.376,
156.877

■ 79, 72.056,
154.675

■ 79, 74.646,
153.261

Harmonies

Complementary

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



87, 13.017, 167.029



81, 13.349, 349.470

Rectangle

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



87, 13.017, 167.029



87, 13.017, 217.029



87, 13.017, 347.029



87, 13.017, 37.029

Sweetspot

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



87, 13.019, 167.025



99, 4.186, 168.010



87, 17.424, 130.773



53, 2.976, 167.923



0, 0.000, 0.000



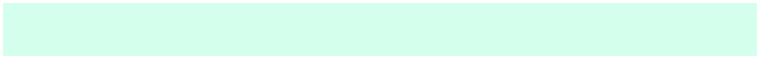
53, 0.007, 296.813

Same Dimension

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



87, 13.019, 167.025



97, 17.752, 166.693



87, 10.023, 205.000



46, 5.359, 167.450



63, 61.654, 153.670



17, 23.371, 158.113

Inverse Universe

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



81, 13.349, 349.470



89, 18.311, 349.817



81, 10.977, 25.884



44, 5.455, 349.032



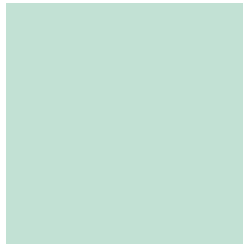
37, 64.012, 9.585



6, 25.795, 0.455

Previews

White Background



This preview shows how the CIELCh color 87, 13.017, 167.029 looks on a white background.

Color Contrast Check

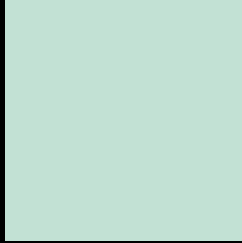
Large Text (above 18pt) WCAG AA × Fail

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, 13.017, 167.029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

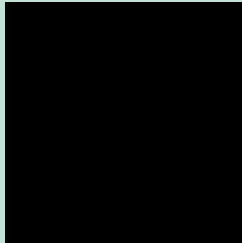
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

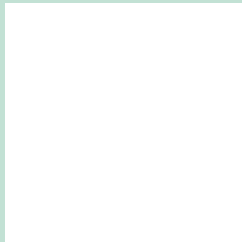
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 13.017, 167.029

Background



This preview shows how black text looks on a background with the CIELCh color 87, 13.017, 167.029.

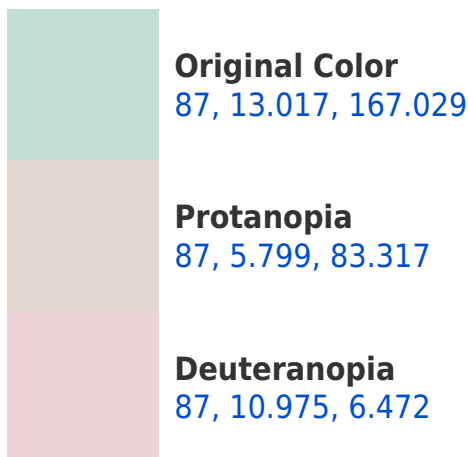


This preview shows how white text looks on a background with the CIELCh color 87, 13.017, 167.029.

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](#).

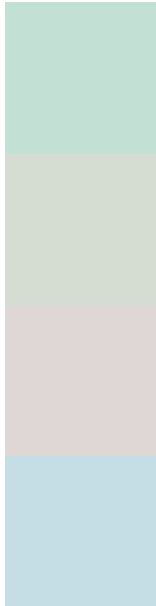
Dichromacy





Tritanopia
87, 11.836, 252.072

Trichromacy



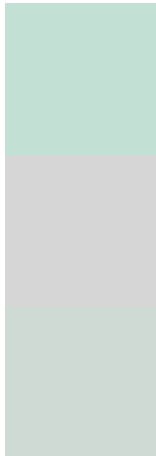
Original Color
87, 13.017, 167.029

Protanomaly
87, 6.300, 133.506

Deuteranomaly
87, 2.950, 29.608

Tritanomaly
87, 9.259, 222.313

Monochromacy



Original Color
87, 13.017, 167.029

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 4.764, 165.841

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 13.017, 167.029 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(194, 225, 212)` looks like.

```
.text, #text, p{  
    color:rgb(194, 225, 212)  
}
```

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(194, 225, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 225, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 13.017, 167.029 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(194, 225, 212) }
```

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

```
.border{ border-color:rgb(194, 225, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 225, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 225, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 225, 212);  
box-shadow:4px 4px 4px 4px rgb(194, 225,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 13.017, 167.029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 225, 212) }
```

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

```
.background{ background-color: rgb(194,  
225, 212) }
```

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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