

Converting Colors

CIELCh(87, 16.530, 166.661)

Have a look what the booklet for
CIELCh(87, 16.530, 166.661)
contains.

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Color

CIELCh(87, 16.807, 166.312)

Conversions

Conversions Part 1

Format	Color
Hex	BBE3D2
RGB	187, 227, 210
RGB Percent	73%, 89%, 82%
CMY	0.2675, 0.1106, 0.1773
CMYK	0.18, 0.00, 0.07, 0.11
HSL	154°, 41%, 81%
HSV	154°, 18%, 89%
XYZ	59.4635, 70.0064, 71.2176
YIQ	213.1020, -18.3830, -13.7670

Conversions

Conversions Part 2

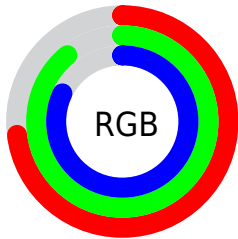
Format	Color
RYB	187, 212, 227
Decimal	12313554
CIELab	87.00, -16.33, 3.98
CIELCh	87, 16.807, 166.312
Yxy	70.0064, 0.2963, 0.3488
Android (android.graphics.Color)	4290503634 (0xFFBBE3D2)
YUV	213.1020, -1.5293, -22.8915
Hunter-Lab	83.6698, -19.5635, 8.1027

Details

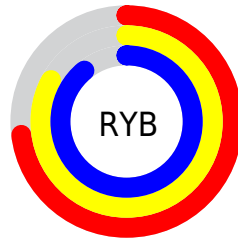
The CIELCh color **87, 16.807, 166.312** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **80, 17.341, 349.529**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 3.799, 199.339**, and **67, 17.022, 166.707** is the 20% darker color. If you saturate the color by 10%, you get **85, 26.142, 165.254**, and if you desaturate by 10%, it is **89, 7.298, 167.294**.

Distribution



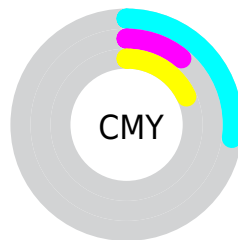
- Red (73%)
- Green (89%)
- Blue (82%)



- Red (73%)
- Yellow (83%)
- Blue (89%)



- Cyan (18%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)





- Cyan (27%)
- Magenta (11%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 16.807, 166.312 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, 16.807, 166.312 by changing the saturation by 10% instead.


 87, 16.807,
166.312


 87, 16.807,
166.312


 100, 16.807,
166.312


 77, 16.807,
166.312

 67, 16.807,
166.312

 57, 16.807,
166.312

 47, 16.807,
166.312

 37, 16.807,
166.312


 27, 16.807,
166.312


 17, 16.807,


166.312

 7, 16.807, 166.312


 0, 16.807, 166.312

 87, 16.807,
166.312


 87, 16.807,
166.312


 85, 26.142,
165.254


 89, 7.298, 167.294

 84, 35.151,
164.087

 91, 2.268, 347.887


 83, 43.677,
162.782

 93, 11.788,
348.857

 82, 51.558,
161.313

 93, 14.967,
332.499

 81, 58.652,

 93, 17.634,
325.036

159.656

■ 81, 64.861,
157.790

■ 80, 70.157,
155.709

■ 80, 74.621,
153.442

■ 80, 75.618,
152.913

Harmonies

Complementary

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



87, 16.807, 166.312



80, 17.341, 349.529

Rectangle

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



87, 16.807, 166.312



87, 16.807, 216.312



87, 16.807, 346.312



87, 16.807, 36.312

Sweetspot

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



87, 16.809, 166.309



99, 5.254, 167.561



88, 22.456, 130.592



53, 3.585, 167.486



0, 0.000, 0.000



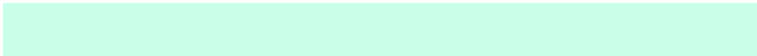
53, 0.007, 296.813

Same Dimension

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



87, 16.809, 166.309



96, 21.966, 165.951



87, 12.762, 204.898



46, 5.380, 167.117



63, 62.048, 153.335



17, 23.504, 157.784

Inverse Universe

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



80, 17.341, 349.529



86, 22.803, 349.907



80, 14.366, 26.116



44, 5.474, 348.694



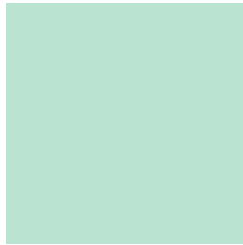
37, 63.979, 9.041



6, 25.829, 0.077

Previews

White Background



This preview shows how the CIELCh color 87, 16.807, 166.312 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, 16.807, 166.312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

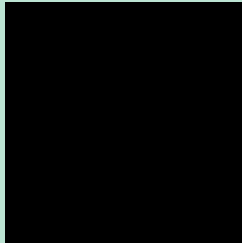
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

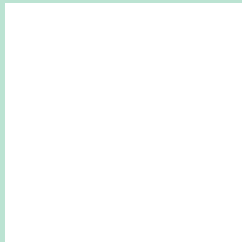
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 16.807, 166.312

Background



This preview shows how black text looks on a background with the CIELCh color 87, 16.807, 166.312.

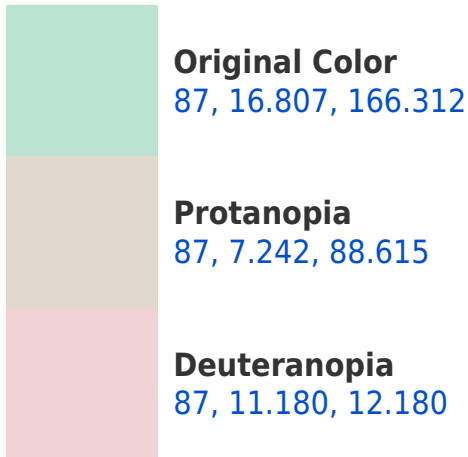


This preview shows how white text looks on a background with the CIELCh color 87, 16.807, 166.312.

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, 13.543, 243.228

Trichromacy



Original Color
87, 16.807, 166.312

Protanomaly
87, 8.828, 136.510

Deuteranomaly
87, 2.753, 68.555

Tritanomaly
87, 11.808, 211.546

Monochromacy



Original Color
87, 16.807, 166.312

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 6.262, 168.880

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 16.807, 166.312 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(187, 227, 210)` looks like.

```
.text, #text, p{  
    color:rgb(187, 227, 210)  
}
```

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(187, 227, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 227, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 16.807, 166.312 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(187, 227, 210) }
```

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

```
.border{ border-color:rgb(187, 227, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 227, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 227, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 227, 210);  
box-shadow:4px 4px 4px 4px rgb(187, 227,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 16.807, 166.312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 227, 210) }
```

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

```
.background{ background-color: rgb(187,  
227, 210) }
```

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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