

Converting Colors

CIELCh(87, 32.868, 141.816)

Have a look what the booklet for
CIELCh(87, 32.868, 141.816)
contains.

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Color

CIELCh(87, 33.234, 141.522)

Conversions

Conversions Part 1

Format	Color
Hex	B5E7B2
RGB	181, 231, 178
RGB Percent	71%, 91%, 70%
CMY	0.2912, 0.0951, 0.3029
CMYK	0.22, 0.00, 0.23, 0.10
HSL	117°, 52%, 80%
HSV	117°, 23%, 90%
XYZ	55.5132, 70.0064, 52.5777
YIQ	210.0080, -12.7870, -27.0830

Conversions

Conversions Part 2

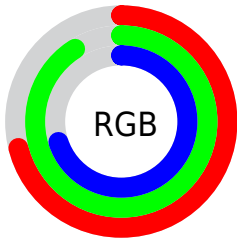
Format	Color
RYB	178, 231, 228
Decimal	11921330
CIELab	87.00, -26.02, 20.68
CIELCh	87, 33.234, 141.522
Yxy	70.0064, 0.3117, 0.3931
Android (android.graphics.Color)	4290111410 (0xFFB5E7B2)
YUV	210.0080, -15.7799, -25.4400
Hunter-Lab	83.6698, -27.9911, 21.3113

Details

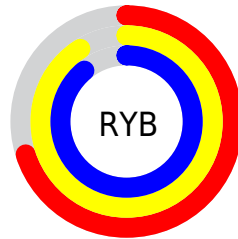
The CIELCh color **87, 33.234, 141.522** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78, 33.335, 324.090**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 12.318, 138.731**, and **67, 33.191, 141.543** is the 20% darker color. If you saturate the color by 10%, you get **85, 47.619, 140.741**, and if you desaturate by 10%, it is **89, 18.707, 142.204**.

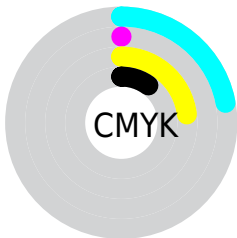
Distribution



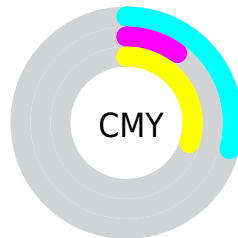
- Red (71%)
- Green (91%)
- Blue (70%)



- Red (70%)
- Yellow (91%)
- Blue (89%)



- Cyan (22%)
- Magenta (0%)
- Yellow (23%)
- Black (10%)





- Cyan (29%)
- Magenta (10%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 33.234, 141.522 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, 33.234, 141.522 by changing the saturation by 10% instead.


 87, 33.234,
141.522


 87, 33.234,
141.522


 100, 33.234,
141.522


 77, 33.234,
141.522

 67, 33.234,
141.522

 57, 33.234,
141.522

 47, 33.234,
141.522

 37, 33.234,
141.522


 27, 33.234,
141.522


 17, 33.234,


141.522


 7, 33.234, 141.522


 0, 33.234, 141.522

 87, 33.234,
141.522


 87, 33.234,
141.522


 85, 47.619,
140.741


 89, 18.707,
142.204


 84, 61.574,
139.860

 91, 4.243, 142.831

 83, 74.731,
138.901

 93, 10.007,
323.231

 82, 86.622,
137.918

 94, 15.150,
324.947

 81, 96.681,

137.008

■ 81, 104.298,
136.308

■ 80, 109.013,
135.944

■ 80, 110.783,
135.835

Harmonies

Complementary

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



87, 33.234, 141.522



78, 33.335, 324.090

Rectangle

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



87, 33.234, 141.522



87, 33.234, 191.522



87, 33.234, 321.522



87, 33.234, 11.522

Sweetspot

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



87, 33.236, 141.522



98, 10.911, 142.570



89, 25.519, 104.997



52, 7.093, 142.533



0, 0.000, 0.000



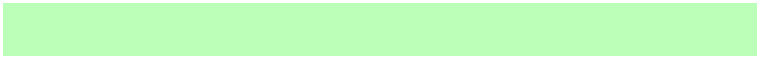
53, 0.007, 296.813

Same Dimension

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



87, 33.236, 141.522



94, 43.931, 141.130



87, 24.642, 158.269



47, 8.142, 142.423



63, 91.343, 135.772



17, 36.254, 137.859

Inverse Universe

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



78, 33.335, 324.090



83, 44.068, 324.351



78, 25.150, 342.130



45, 8.162, 323.386



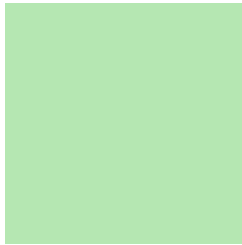
41, 88.700, 326.025



8, 37.196, 326.360

Previews

White Background



This preview shows how the CIE LCh color 87, 33.234, 141.522 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, 33.234, 141.522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

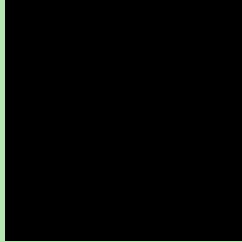
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 33.234, 141.522

Background



This preview shows how black text looks on a background with the CIELCh color 87, 33.234, 141.522.

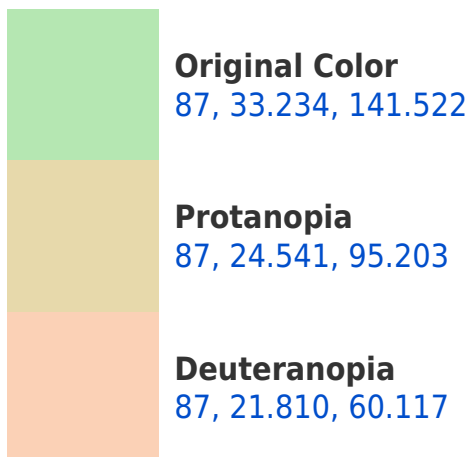


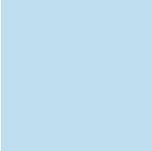
This preview shows how white text looks on a background with the CIELCh color 87, 33.234, 141.522.

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, 13.772, 242.292

Trichromacy



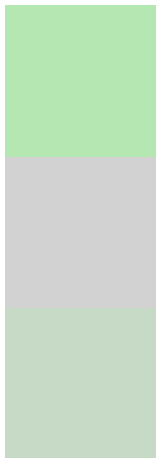
Original Color
87, 33.234, 141.522

Protanomaly
87, 25.630, 115.807

Deuteranomaly
86, 19.502, 99.433

Tritanomaly
87, 13.952, 180.944

Monochromacy



Original Color
87, 33.234, 141.522

Achromatopsia
84, 0.010, 296.813

Achromatomaly
85, 12.638, 142.616

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 33.234, 141.522 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(181, 231, 178)` looks like.

```
.text, #text, p{  
    color:rgb(181, 231, 178)  
}
```

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(181, 231, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 231, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 33.234, 141.522 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(181, 231, 178) }
```

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

```
.border{ border-color:rgb(181, 231, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 231, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 231, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 231, 178);  
box-shadow:4px 4px 4px 4px rgb(181, 231,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 33.234, 141.522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 231, 178) }
```

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

```
.background{ background-color: rgb(181,  
231, 178) }
```

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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