

Converting Colors

CIELCh(87, 31.657, 145.704)

Have a look what the booklet for
CIELCh(87, 31.657, 145.704)
contains.

CIELCh(87, 31.722, 145.537)	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, 31.722, 145.537)

Conversions

Conversions Part 1

Format	Color
Hex	B2E7B7
RGB	178, 231, 183
RGB Percent	70%, 91%, 72%
CMY	0.3021, 0.0943, 0.2825
CMYK	0.23, 0.00, 0.21, 0.09
HSL	126°, 52%, 80%
HSV	126°, 23%, 91%
XYZ	55.4585, 70.0064, 55.3680
YIQ	209.6810, -16.1800, -26.1640

Conversions

Conversions Part 2

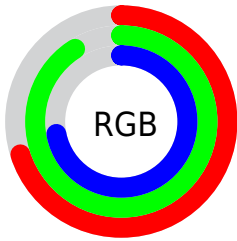
Format	Color
RYB	178, 226, 231
Decimal	11724727
CIELab	87.00, -26.15, 17.95
CIElCh	87, 31.722, 145.537
Yxy	70.0064, 0.3067, 0.3871
Android (android.graphics.Color)	4289914807 (0xFFB2E7B7)
YUV	209.6810, -13.1537, -27.7842
Hunter-Lab	83.6698, -28.1079, 19.3341

Details

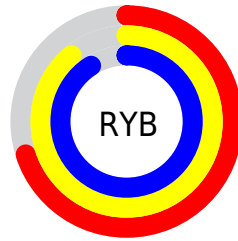
The CIELCh color **87, 31.722, 145.537** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79, 31.770, 328.429**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 11.062, 151.379**, and **67, 31.612, 145.741** is the 20% darker color. If you saturate the color by 10%, you get **85, 45.460, 144.650**, and if you desaturate by 10%, it is **89, 17.846, 146.302**.

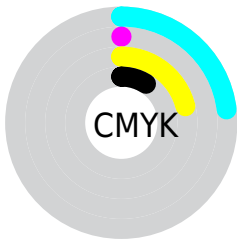
Distribution



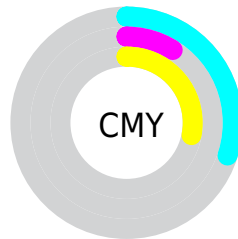
- Red (70%)
- Green (91%)
- Blue (72%)



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



- Cyan (23%)
- Magenta (0%)
- Yellow (21%)
- Black (9%)





- Cyan (30%)
- Magenta (9%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 31.722, 145.537 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, 31.722, 145.537 by changing the saturation by 10% instead.


 87, 31.722,
145.537


 87, 31.722,
145.537


 100, 31.722,
145.537


 77, 31.722,
145.537

 67, 31.722,
145.537

 57, 31.722,
145.537

 47, 31.722,
145.537

 37, 31.722,
145.537


 27, 31.722,
145.537


 17, 31.722,


145.537


 7, 31.722, 145.537

 0, 31.722, 145.537

 87, 31.722,
145.537

 87, 31.722,
145.537

 85, 45.460,
144.650


 89, 17.846,
146.302


 84, 58.793,
143.624

 91, 4.030, 147.008

 83, 71.400,
142.460

 93, 9.576, 327.449

 82, 82.908,
141.175

 94, 15.015,
324.942

 81, 92.903,

139.820

■ 81, 100.959,
138.491

■ 80, 106.698,
137.319

■ 80, 109.300,
136.702

Harmonies

Complementary

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



87, 31.722, 145.537



79, 31.770, 328.429

Rectangle

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



87, 31.722, 145.537



87, 31.722, 195.537



87, 31.722, 325.537



87, 31.722, 15.537

Sweetspot

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



87, 31.724, 145.537



98, 10.413, 146.711



90, 27.282, 111.519



52, 6.769, 146.670



0, 0.000, 0.000



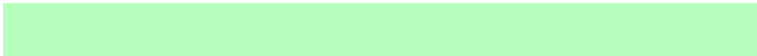
53, 0.007, 296.813

Same Dimension

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



87, 31.724, 145.537



94, 41.929, 145.092



88, 21.986, 166.250



47, 7.771, 146.546



63, 89.771, 136.869



17, 35.042, 140.481

Inverse Universe

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



79, 31.770, 328.429



83, 41.973, 328.738



78, 22.934, 350.629



45, 7.786, 327.624



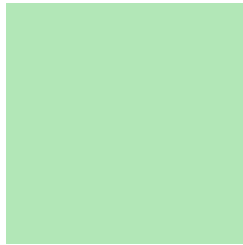
41, 82.133, 332.374



8, 34.860, 331.679

Previews

White Background



This preview shows how the CIELCh color 87, 31.722, 145.537 looks on a white background.

Color Contrast Check

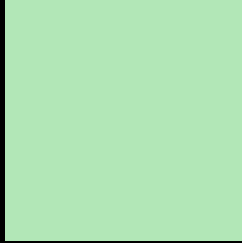
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 87, 31.722, 145.537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

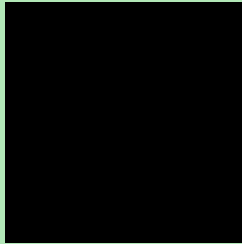
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

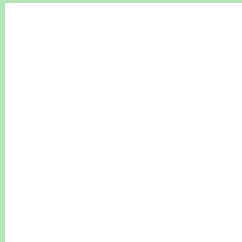
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 31.722, 145.537

Background



This preview shows how black text looks on a background with the CIELCh color 87, 31.722, 145.537.

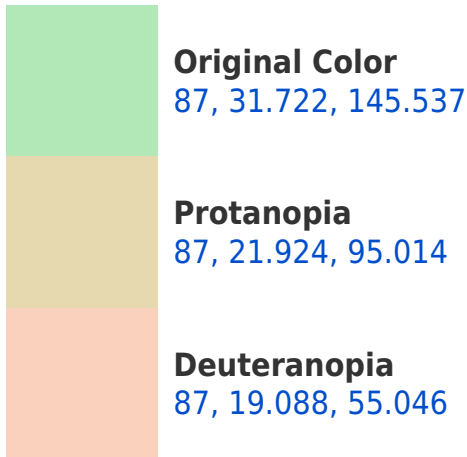


This preview shows how white text looks on a background with the CIELCh color 87, 31.722, 145.537.

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



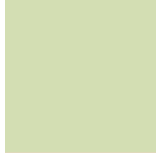


Tritanopia
87, 14.707, 238.857

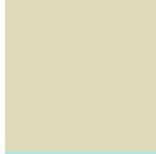
Trichromacy



Original Color
87, 31.722, 145.537



Protanomaly
87, 22.721, 118.928



Deuteranomaly
86, 16.306, 100.732

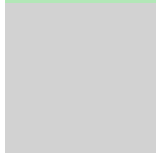


Tritanomaly
87, 14.874, 186.167

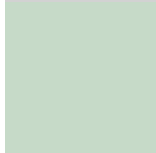
Monochromacy



Original Color
87, 31.722, 145.537



Achromatopsia
84, 0.010, 296.813



Achromatomaly
85, 11.989, 146.736

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 31.722, 145.537 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(178, 231, 183)` looks like.

```
.text, #text, p{  
    color:rgb(178, 231, 183)  
}
```

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(178, 231, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 231, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 31.722, 145.537 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(178, 231, 183) }
```

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

```
.border{ border-color:rgb(178, 231, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 231, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 231, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 231, 183);  
box-shadow:4px 4px 4px 4px rgb(178, 231,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 31.722, 145.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 231, 183) }
```

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

```
.background{ background-color: rgb(178,  
231, 183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor