

Converting Colors

CIELCh(87, 19.216, 146.579)

Have a look what the booklet for
CIELCh(87, 19.216, 146.579)
contains.

CIELCh(87, 19.193, 146.198)	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, 19.193, 146.198)

Conversions

Conversions Part 1

Format	Color
Hex	C2E2C5
RGB	194, 226, 197
RGB Percent	76%, 89%, 77%
CMY	0.2386, 0.1131, 0.2268
CMYK	0.14, 0.00, 0.13, 0.11
HSL	126°, 36%, 82%
HSV	126°, 14%, 89%
XYZ	59.6226, 70.0064, 63.2859
YIQ	213.1260, -9.7630, -15.8030

Conversions

Conversions Part 2

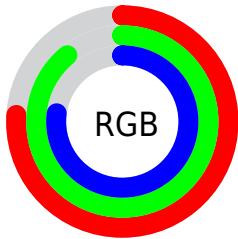
Format	Color
RYB	194, 223, 226
Decimal	12772037
CIELab	87.00, -15.95, 10.68
CIElCh	87, 19.193, 146.198
Yxy	70.0064, 0.3091, 0.3629
Android (android.graphics.Color)	4290962117 (0xFFC2E2C5)
YUV	213.1260, -7.9501, -16.7735
Hunter-Lab	83.6698, -19.2242, 13.7233

Details

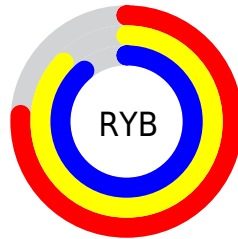
The CIELCh color **87, 19.193, 146.198** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **82, 19.228, 327.885**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 1.484, 179.774**, and **67, 19.573, 146.018** is the 20% darker color. If you saturate the color by 10%, you get **85, 32.840, 145.421**, and if you desaturate by 10%, it is **89, 5.590, 146.894**.

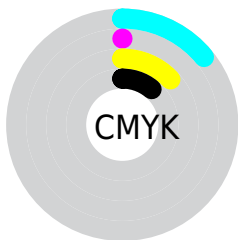
Distribution



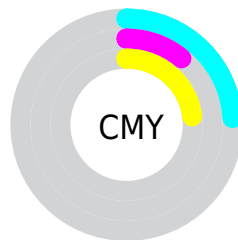
- Red (76%)
- Green (89%)
- Blue (77%)



- Red (76%)
- Yellow (87%)
- Blue (89%)



- Cyan (14%)
- Magenta (0%)
- Yellow (13%)
- Black (11%)





- Cyan (24%)
- Magenta (11%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 19.193, 146.198 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, 19.193, 146.198 by changing the saturation by 10% instead.


 87, 19.193,
146.198


 87, 19.193,
146.198


 100, 19.193,
146.198


 77, 19.193,
146.198

 67, 19.193,
146.198

 57, 19.193,
146.198

 47, 19.193,
146.198

 37, 19.193,
146.198


 27, 19.193,
146.198


 17, 19.193,


146.198

 7, 19.193, 146.198


 0, 19.193, 146.198

 87, 19.193,
146.198


 87, 19.193,
146.198


 85, 32.840,
145.421


 89, 5.590, 146.894

 84, 46.318,
144.519

 91, 7.822, 327.360


 93, 18.032,
325.050


 82, 59.365,
143.479


 81, 71.660,
142.301


 80, 82.829,

141.008

 80, 92.463,
139.654

 79, 100.143,
138.339

 79, 105.512,
137.198

 79, 107.570,
136.707

Harmonies

Complementary

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



87, 19.193, 146.198



82, 19.228, 327.885

Rectangle

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



87, 19.193, 146.198



87, 19.193, 196.198



87, 19.193, 326.198



87, 19.193, 16.198

Sweetspot

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



87, 19.195, 146.198



99, 5.935, 146.904



89, 16.596, 112.267



53, 4.222, 146.849



0, 0.000, 0.000



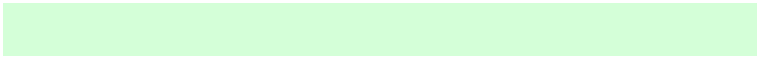
53, 0.007, 296.813

Same Dimension

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



87, 19.195, 146.198



96, 25.446, 145.980



87, 13.399, 167.152



46, 7.632, 146.529



63, 88.811, 136.873



16, 33.618, 141.083

Inverse Universe

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



82, 19.228, 327.885



89, 25.487, 328.062



81, 13.752, 349.676



44, 7.647, 327.603



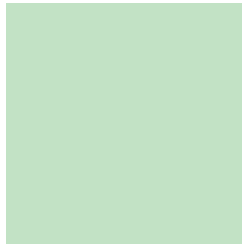
41, 81.309, 332.338



7, 33.731, 331.598

Previews

White Background



This preview shows how the CIELCh color 87, 19.193, 146.198 looks on a white background.

Color Contrast Check

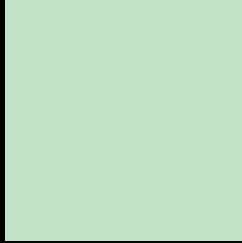
Large Text (above 18pt) WCAG AA × Fail

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, 19.193, 146.198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

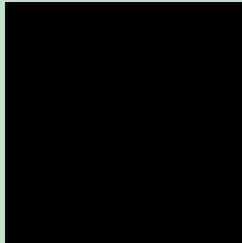
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

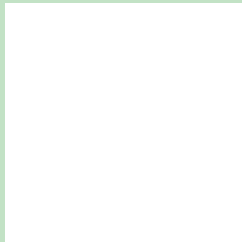
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 19.193, 146.198

Background



This preview shows how black text looks on a background with the CIELCh color 87, 19.193, 146.198.

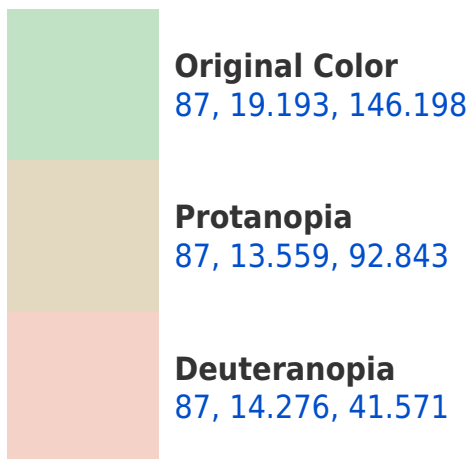


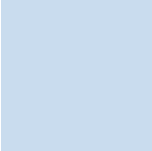
This preview shows how white text looks on a background with the CIELCh color 87, 19.193, 146.198.

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](#).

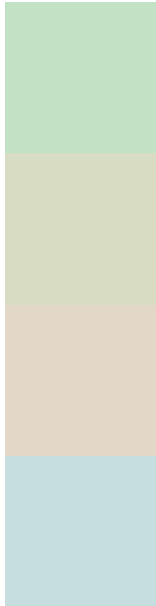
Dichromacy





Tritanopia
87, 11.276, 256.102

Trichromacy



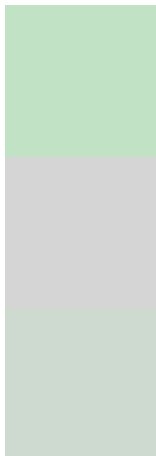
Original Color
87, 19.193, 146.198

Protanomaly
87, 13.677, 116.885

Deuteranomaly
87, 9.765, 84.464

Tritanomaly
87, 8.027, 202.672

Monochromacy



Original Color
87, 19.193, 146.198

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 7.256, 146.490

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 19.193, 146.198 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, 226, 197)` looks like.

```
.text, #text, p{  
    color:rgb(194, 226, 197)  
}
```

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, 226, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 226, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 19.193, 146.198 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, 226, 197) }
```

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

```
.border{ border-color:rgb(194, 226, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 226, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 226, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 226, 197);  
box-shadow:4px 4px 4px 4px rgb(194, 226,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 19.193, 146.198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 226, 197) }
```

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

```
.background{ background-color: rgb(194,  
226, 197) }
```

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