

Converting Colors

CIELCh(87, 30.336, 138.495)

Have a look what the booklet for
CIELCh(87, 30.336, 138.495)
contains.

CIELCh(87, 30.185, 138.285)	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, 30.185, 138.285)

Conversions

Conversions Part 1

Format	Color
Hex	BCE5B3
RGB	188, 229, 179
RGB Percent	74%, 90%, 70%
CMY	0.2626, 0.1018, 0.2979
CMYK	0.18, 0.00, 0.22, 0.10
HSL	109°, 49%, 80%
HSV	109°, 22%, 90%
XYZ	56.9135, 70.0064, 53.1759
YIQ	211.0410, -8.3860, -24.2420

Conversions

Conversions Part 2

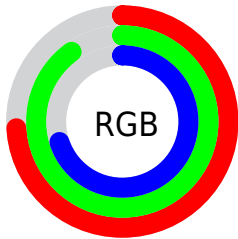
Format	Color
RYB	179, 229, 220
Decimal	12379571
CIELab	87.00, -22.53, 20.09
CIELCh	87, 30.185, 138.285
Yxy	70.0064, 0.3160, 0.3887
Android (android.graphics.Color)	4290569651 (0xFFBCE5B3)
YUV	211.0410, -15.7962, -20.2070
Hunter-Lab	83.6698, -25.0037, 20.8875

Details

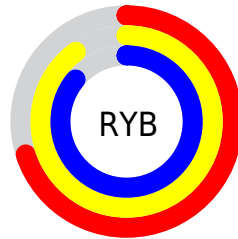
The CIELCh color $87, 30.185, 138.285$ is a light color, and the websafe version is hex `CCFFCC`. A complement of this color would be $78, 30.465, 320.389$, and the grayscale version is $85, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 10.785, 128.734$, and $67, 29.996, 138.259$ is the 20% darker color. If you saturate the color by 10%, you get $85, 43.977, 137.655$, and if you desaturate by 10%, it is $89, 16.309, 138.851$.

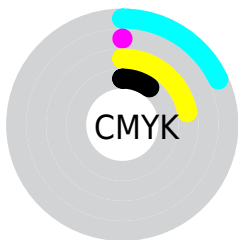
Distribution



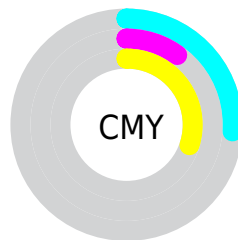
- Red (74%)
- Green (90%)
- Blue (70%)



- Red (70%)
- Yellow (90%)
- Blue (86%)



- Cyan (18%)
- Magenta (0%)
- Yellow (22%)
- Black (10%)





- Cyan (26%)
- Magenta (10%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 30.185, 138.285 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, 30.185, 138.285 by changing the saturation by 10% instead.


 87, 30.185,
138.285

 87, 30.185,
138.285


 100, 30.185,
138.285

 77, 30.185,
138.285

 67, 30.185,
138.285

 57, 30.185,
138.285

 47, 30.185,
138.285

 37, 30.185,
138.285


 27, 30.185,
138.285


 17, 30.185,


138.285


 7, 30.185, 138.285

 0, 30.185, 138.285

 87, 30.185,
138.285

 87, 30.185,
138.285


 85, 43.977,
137.655


 89, 16.309,
138.851


 84, 57.457,
136.966

 91, 2.503, 139.419

 83, 70.325,
136.249

 93, 11.115,
319.725

 82, 82.180,
135.560

 94, 16.226,
324.986

 81, 92.504,

134.994

■ 81, 100.697,
134.678

■ 80, 106.243,
134.733

■ 80, 108.920,
134.996

Harmonies

Complementary

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



87, 30.185, 138.285



78, 30.465, 320.389

Rectangle

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



87, 30.185, 138.285



87, 30.185, 188.285



87, 30.185, 318.285



87, 30.185, 8.285

Sweetspot

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



87, 30.187, 138.286



99, 10.495, 139.104



88, 21.488, 98.885



52, 6.822, 139.072



0, 0.000, 0.000



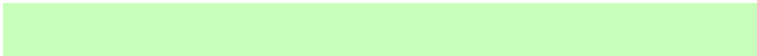
53, 0.007, 296.813

Same Dimension

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



87, 30.187, 138.286



95, 39.227, 138.021



87, 25.466, 153.280



47, 7.830, 138.977



64, 90.225, 134.857



18, 35.233, 135.723

Inverse Universe

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



78, 30.465, 320.389



83, 39.649, 320.585



78, 25.716, 336.535



45, 7.870, 319.814



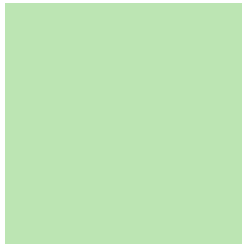
37, 89.853, 321.429



7, 37.148, 322.244

Previews

White Background



This preview shows how the CIELCh color 87, 30.185, 138.285 looks on a white background.

Color Contrast Check

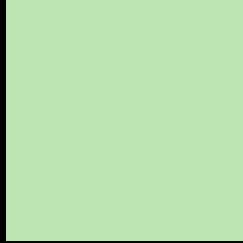
Large Text (above 18pt) WCAG AA × Fail

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, 30.185, 138.285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

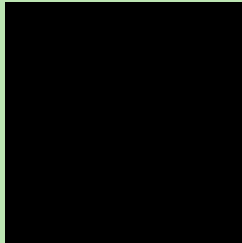
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

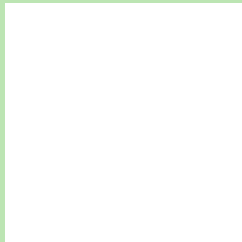
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 30.185, 138.285

Background



This preview shows how black text looks on a background with the CIELCh color 87, 30.185, 138.285.

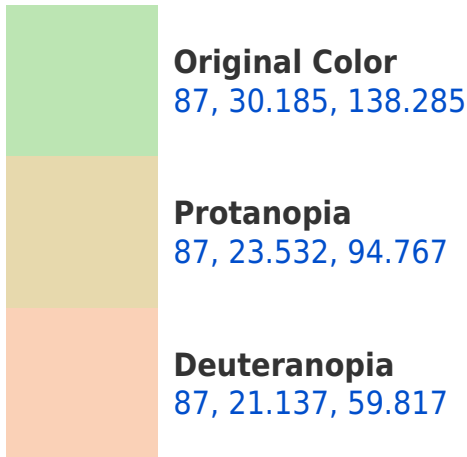


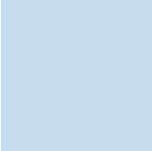
This preview shows how white text looks on a background with the CIELCh color 87, 30.185, 138.285.

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](#).

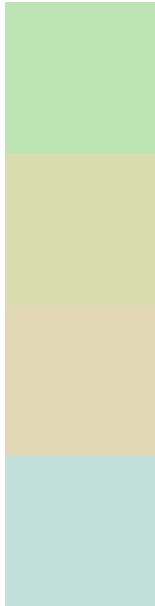
Dichromacy





Tritanopia
87, 12.036, 250.824

Trichromacy



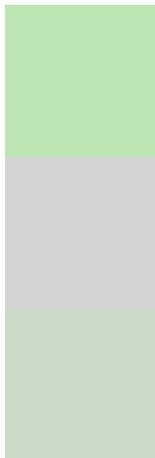
Original Color
87, 30.185, 138.285

Protanomaly
87, 23.974, 113.685

Deuteranomaly
86, 18.215, 95.217

Tritanomaly
87, 11.214, 179.559

Monochromacy



Original Color
87, 30.185, 138.285

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 11.413, 138.118

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 30.185, 138.285 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(188, 229, 179)` looks like.

```
.text, #text, p{  
    color:rgb(188, 229, 179)  
}
```

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(188, 229, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 229, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 30.185, 138.285 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(188, 229, 179) }
```

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

```
.border{ border-color:rgb(188, 229, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 229, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 229, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 229, 179);  
box-shadow:4px 4px 4px 4px rgb(188, 229,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 30.185, 138.285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 229, 179) }
```

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

```
.background{ background-color: rgb(188,  
229, 179) }
```

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