

Converting Colors

CIELCh(87, 35.168, 135.895)

Have a look what the booklet for
CIELCh(87, 35.168, 135.895)
contains.

CIELCh(87, 34.785, 135.913)	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, 34.785, 135.913)

Conversions

Conversions Part 1

Format	Color
Hex	BAE6AB
RGB	186, 230, 171
RGB Percent	73%, 90%, 67%
CMY	0.2704, 0.0978, 0.3292
CMYK	0.19, 0.00, 0.26, 0.10
HSL	105°, 54%, 79%
HSV	105°, 26%, 90%
XYZ	55.9253, 70.0064, 49.1151
YIQ	210.1180, -7.2850, -27.6770

Conversions

Conversions Part 2

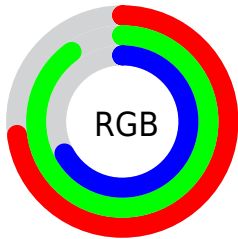
Format	Color
RYB	171, 230, 215
Decimal	12248747
CIELab	87.00, -24.99, 24.20
CIElCh	87, 34.785, 135.913
Yxy	70.0064, 0.3195, 0.3999
Android (android.graphics.Color)	4290438827 (0xFFBAE6AB)
YUV	210.1180, -19.2852, -21.1515
Hunter-Lab	83.6698, -27.1120, 23.7650

Details

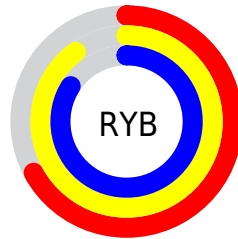
The CIELCh color **87, 34.785, 135.913** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76, 35.341, 318.274**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 14.875, 126.015**, and **67, 34.794, 135.693** is the 20% darker color. If you saturate the color by 10%, you get **86, 48.226, 135.329**, and if you desaturate by 10%, it is **89, 21.194, 136.453**.

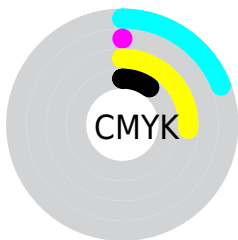
Distribution



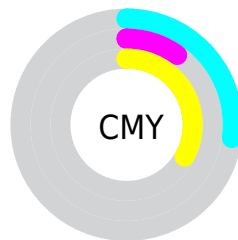
- Red (73%)
- Green (90%)
- Blue (67%)



- Red (67%)
- Yellow (90%)
- Blue (84%)



- Cyan (19%)
- Magenta (0%)
- Yellow (26%)
- Black (10%)





- Cyan (27%)
- Magenta (10%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 34.785, 135.913 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, 34.785, 135.913 by changing the saturation by 10% instead.


 87, 34.785,
135.913


 87, 34.785,
135.913


 100, 34.785,
135.913


 77, 34.785,
135.913

 67, 34.785,
135.913

 57, 34.785,
135.913

 47, 34.785,
135.913

 37, 34.785,
135.913


 27, 34.785,
135.913


 17, 34.785,


135.913


 7, 34.785, 135.913


 0, 34.785, 135.913

 87, 34.785,
135.913


 87, 34.785,
135.913

 86, 48.226,
135.329

 89, 21.194,
136.453

 84, 61.286,
134.719

 90, 7.612, 136.949


 83, 73.653,
134.126

 92, 5.843, 317.304

 82, 84.906,
133.625

 94, 15.524,
324.608

 82, 94.501,

 94, 15.587,
324.963

133.326

■ 81, 101.851,
133.362

■ 81, 106.551,
133.822

■ 80, 107.983,
134.075

Harmonies

Complementary

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



87, 34.785, 135.913



76, 35.341, 318.274

Rectangle

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



87, 34.785, 135.913



87, 34.785, 185.913



87, 34.785, 315.913



87, 34.785, 5.913

Sweetspot

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



87, 34.787, 135.914



98, 11.738, 136.831



86, 23.394, 92.931



52, 8.349, 136.757



0, 0.000, 0.000



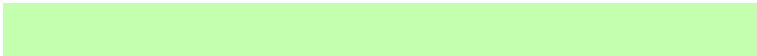
53, 0.007, 296.813

Same Dimension

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



87, 34.787, 135.914



94, 45.666, 135.596



86, 31.959, 149.791



47, 7.657, 136.762



64, 89.105, 133.890



18, 34.637, 134.346

Inverse Universe

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



76, 35.341, 318.274



80, 46.542, 318.515



77, 32.146, 333.420



45, 7.711, 317.552



34, 90.877, 318.871



6, 36.930, 319.711

Previews

White Background



This preview shows how the CIELCh color 87, 34.785, 135.913 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, 34.785, 135.913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

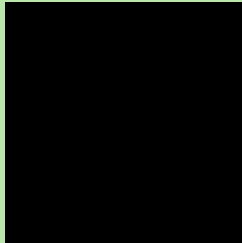
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

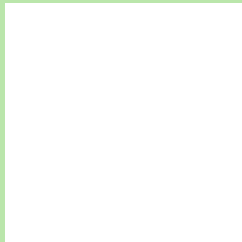
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 34.785, 135.913

Background



This preview shows how black text looks on a background with the CIELCh color 87, 34.785, 135.913.

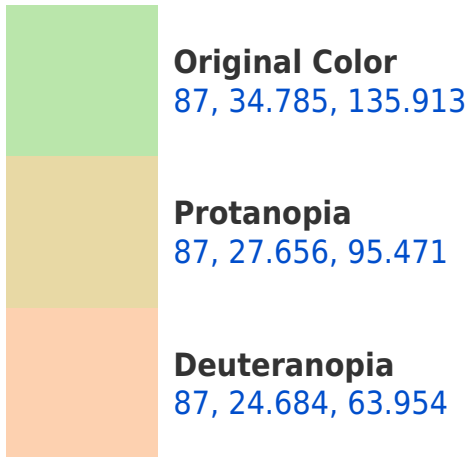


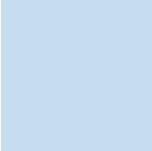
This preview shows how white text looks on a background with the CIELCh color 87, 34.785, 135.913.

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, 12.240, 249.619

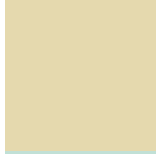
Trichromacy



Original Color
87, 34.785, 135.913



Protanomaly
87, 28.578, 113.242



Deuteranomaly
87, 22.850, 96.446

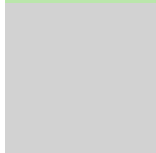


Tritanomaly
87, 12.206, 173.160

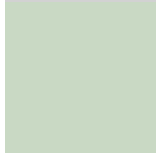
Monochromacy



Original Color
87, 34.785, 135.913



Achromatopsia
84, 0.010, 296.813



Achromatomaly
85, 12.528, 137.243

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 34.785, 135.913 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(186, 230, 171)` looks like.

```
.text, #text, p{  
    color:rgb(186, 230, 171)  
}
```

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(186, 230, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 230, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 34.785, 135.913 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(186, 230, 171) }
```

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

```
.border{ border-color:rgb(186, 230, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 230, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 230, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 230, 171);  
box-shadow:4px 4px 4px 4px rgb(186, 230,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 34.785, 135.913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 230, 171) }
```

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

```
.background{ background-color: rgb(186,  
230, 171) }
```

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