

Converting Colors

CIELCh(85, 49.739, 134.767)

Have a look what the booklet for
CIELCh(85, 49.739, 134.767)
contains.

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Color

CIELCh(85, 49.739, 134.767)

Conversions

Conversions Part 1

Format	Color
Hex	A7E590
RGB	167, 229, 144
RGB Percent	65%, 90%, 56%
CMY	0.3465, 0.1034, 0.4367
CMYK	0.27, 0.00, 0.37, 0.10
HSL	104°, 62%, 73%
HSV	104°, 37%, 90%
XYZ	48.7800, 66.0070, 36.4139
YIQ	200.7720, -9.6670, -39.5790

Conversions

Conversions Part 2

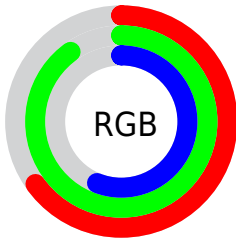
Format	Color
RYB	144, 229, 206
Decimal	11003280
CIELab	85.00, -35.03, 35.31
CIElCh	85, 49.739, 134.767
Yxy	66.0070, 0.3226, 0.4366
Android (android.graphics.Color)	4289193360 (0xFFA7E590)
YUV	200.7720, -27.9886, -29.6180
Hunter-Lab	81.2447, -35.0054, 30.2975

Details

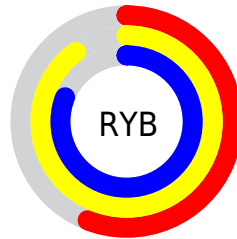
The CIELCh color $85, 49.739, 134.767$ is a light color, and the websafe version is hex `CCFF99`. A complement of this color would be $68, 50.959, 318.259$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $97, 30.649, 129.929$, and $65, 49.763, 134.560$ is the 20% darker color. If you saturate the color by 10%, you get $84, 62.593, 134.176$, and if you desaturate by 10%, it is $86, 36.477, 135.344$.

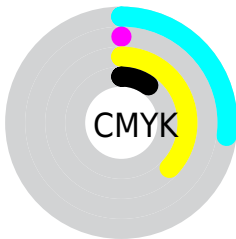
Distribution



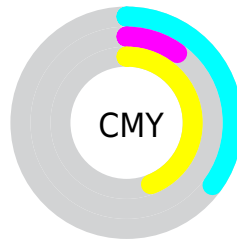
- Red (65%)
- Green (90%)
- Blue (56%)



- Red (56%)
- Yellow (90%)
- Blue (81%)



- Cyan (27%)
- Magenta (0%)
- Yellow (37%)
- Black (10%)



- Cyan (35%)
- Magenta (10%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 49.739, 134.767 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 85, 49.739, 134.767 by changing the saturation by 10% instead.


 85, 49.739,
134.767


 85, 49.739,
134.767


 100, 49.739,
134.767

 75, 49.739,
134.767

 65, 49.739,
134.767

 55, 49.739,
134.767

 45, 49.739,
134.767

 35, 49.739,
134.767


 25, 49.739,
134.767


 15, 49.739,


134.767


 5, 49.739, 134.767


 0, 49.739, 134.767

 85, 49.739,
134.767


 85, 49.739,
134.767

 84, 62.593,
134.176

 86, 36.477,
135.344

 83, 74.713,
133.615


 88, 23.033,
135.880


 82, 85.667,
133.167

 90, 9.576, 136.373


 81, 94.905,
132.948


 91, 3.774, 316.721


 93, 15.586,
319.602

 81, 101.852,

133.087

 94, 16.484,
324.995

 80, 106.194,
133.651

 80, 107.132,
133.822

Harmonies

Complementary

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



85, 49.739, 134.767



68, 50.959, 318.259

Rectangle

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



85, 49.739, 134.767



85, 49.739, 184.767



85, 49.739, 314.767



85, 49.739, 4.767

Sweetspot

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



85, 49.741, 134.768



98, 16.089, 136.185



83, 33.428, 90.202



52, 10.817, 136.118



0, 0.000, 0.000



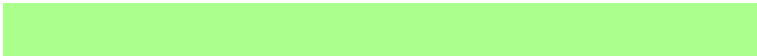
53, 0.007, 296.813

Same Dimension

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



85, 49.741, 134.768



93, 65.379, 134.287



84, 46.443, 148.075



47, 7.621, 136.263



64, 88.816, 133.632



18, 34.497, 134.007

Inverse Universe

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



68, 50.959, 318.259



71, 67.283, 318.577



70, 46.649, 333.600



45, 7.677, 317.046



34, 91.130, 318.336



6, 36.867, 319.150

Previews

White Background



This preview shows how the CIELCh color 85, 49.739, 134.767 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 85, 49.739, 134.767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

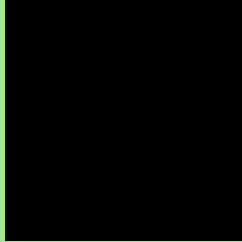
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 49.739, 134.767

Background



This preview shows how black text looks on a background with the CIELCh color 85, 49.739, 134.767.

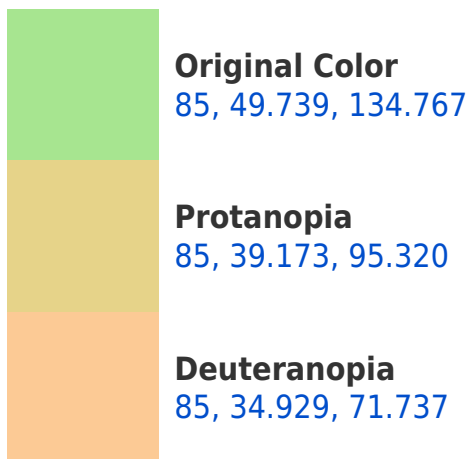


This preview shows how white text looks on a background with the CIELCh color 85, 49.739, 134.767.

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
85, 14.703, 236.406

Trichromacy



Original Color
85, 49.739, 134.767



Protanomaly
84, 40.376, 112.423



Deuteranomaly
84, 33.959, 101.082



Tritanomaly
85, 19.515, 165.428

Monochromacy



Original Color
85, 49.739, 134.767



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 17.892, 136.146

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 49.739, 134.767 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(167, 229, 144)` looks like.

```
.text, #text, p{  
    color:rgb(167, 229, 144)  
}
```

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(167, 229, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 229, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 49.739, 134.767 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(167, 229, 144) }
```

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

```
.border{ border-color:rgb(167, 229, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 229, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 229, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 229, 144);  
box-shadow:4px 4px 4px 4px rgb(167, 229,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 49.739, 134.767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 229, 144) }
```

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

```
.background{ background-color: rgb(167,  
229, 144) }
```

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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