

# Converting Colors

CIELCh(84, 34.956, 159.049)

Have a look what the booklet for  
CIELCh(84, 34.956, 159.049)  
contains.

<b>CIELCh(84, 35.003, 159.034)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(84, 35.003, 159.034)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	94E2B9
RGB	148, 226, 185
RGB Percent	58%, 89%, 73%
CMY	0.4203, 0.1144, 0.2752
CMYK	0.35, 0.00, 0.18, 0.11
HSL	148°, 57%, 73%
HSV	148°, 35%, 89%
XYZ	48.0639, 64.0658, 55.6324
YIQ	198.0040, -33.3270, -29.2870

# Conversions

## Conversions Part 2

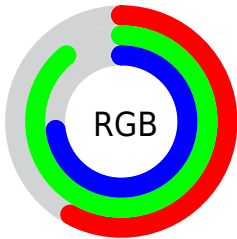
<b>Format</b>	<b>Color</b>
<b>RYB</b>	148, 201, 226
Decimal	9757369
CIELab	84.00, -32.69, 12.52
CIELCh	84, 35.003, 159.034
Yxy	64.0658, 0.2865, 0.3819
Android (android.graphics.Color)	4287947449 (0xFF94E2B9)
YUV	198.0040, -6.4110, -43.8535
Hunter-Lab	80.0411, -32.8843, 14.8194

# Details

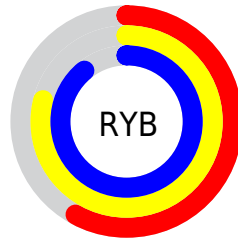
The CIELCh color **84, 35.003, 159.034** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **70, 36.311, 345.518**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 18.880, 175.858**, and **64, 34.796, 159.185** is the 20% darker color. If you saturate the color by 10%, you get **83, 44.571, 157.801**, and if you desaturate by 10%, it is **85, 25.052, 160.123**.

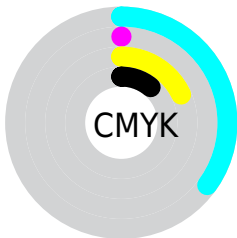
# Distribution



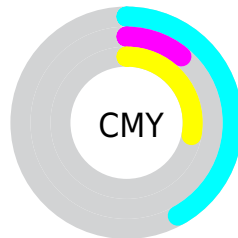
- Red (58%)
- Green (89%)
- Blue (73%)



- Red (58%)
- Yellow (79%)
- Blue (89%)



- Cyan (35%)
- Magenta (0%)
- Yellow (18%)
- Black (11%)




- Cyan (42%)
- Magenta (11%)
- Yellow (28%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 35.003, 159.034 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 84, 35.003, 159.034 by changing the saturation by 10% instead.





 84, 35.003,  
159.034


 84, 35.003,  
159.034


 100, 35.003,  
159.034


 74, 35.003,  
159.034

 64, 35.003,  
159.034

 54, 35.003,  
159.034

 44, 35.003,  
159.034

 34, 35.003,  
159.034


 24, 35.003,  
159.034


 14, 35.003,

159.034


 4, 35.003, 159.034


 0, 35.003, 159.034


 84, 35.003,  
159.034


 84, 35.003,  
159.034

 83, 44.571,  
157.801


 85, 25.052,  
160.123

 82, 53.576,  
156.402


 87, 14.881,  
161.099

 81, 61.848,  
154.811

 89, 4.635, 162.026


 80, 69.250,  
153.010


 91, 5.568, 342.633


 93, 14.069,  
338.137

 80, 75.704,

150.997

 93, 18.249,  
325.058

 79, 81.217,  
148.793

 79, 83.932,  
147.573

# Harmonies

# Complementary

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



84, 35.003, 159.034



70, 36.311, 345.518

# Rectangle

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



84, 35.003, 159.034



84, 35.003, 209.034



84, 35.003, 339.034



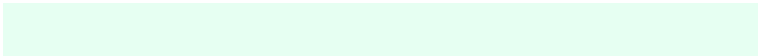
84, 35.003, 29.034

# Sweetspot

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



84, 35.004, 159.033



98, 11.292, 161.509



86, 42.552, 126.241



52, 7.705, 161.380



0, 0.000, 0.000



53, 0.007, 296.813



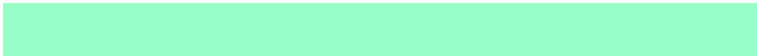


# Same Dimension

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



84, 35.004, 159.033



93, 45.496, 158.220



85, 25.245, 194.568



46, 5.780, 161.566



63, 69.058, 147.982



17, 25.923, 152.453



# Inverse Universe

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



70, 36.311, 345.518



75, 47.440, 346.323



69, 31.642, 20.010



44, 5.846, 343.025



38, 64.512, 359.431

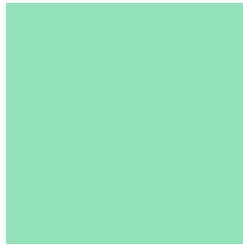


6, 26.707, 352.823



# Previews

## White Background



This preview shows how the CIELCh color 84, 35.003, 159.034 looks on a white background.

## Color Contrast Check

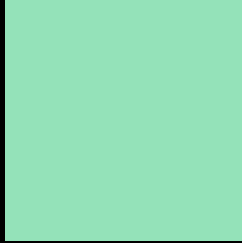
Large Text (above 18pt) WCAG AA × Fail

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 84, 35.003, 159.034 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

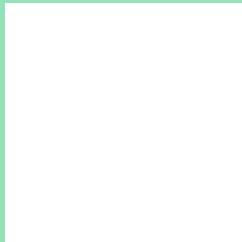
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 84, 35.003, 159.034

## Background



This preview shows how black text looks on a background with the CIELCh color 84, 35.003, 159.034.

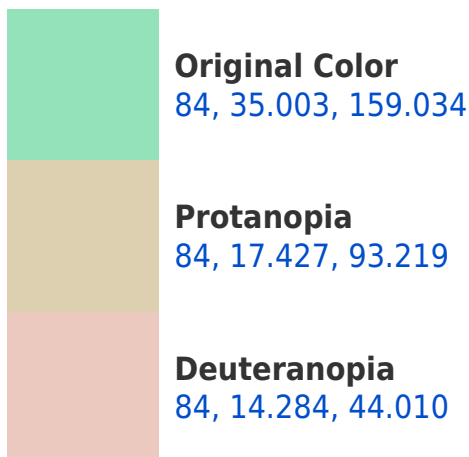


This preview shows how white text looks on a background with the CIELCh color 84, 35.003, 159.034.

# 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





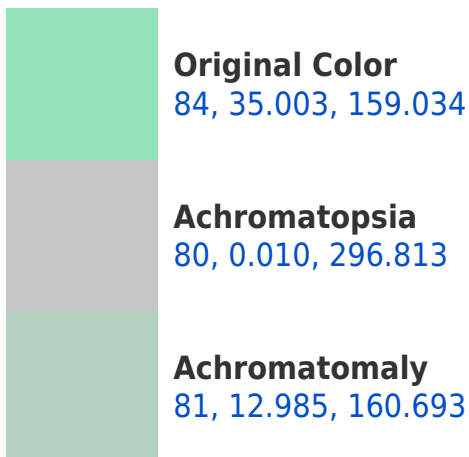


**Tritanopia**  
84, 20.840, 223.907

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 84, 35.003, 159.034 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(148, 226, 185)` looks like.

```
.text, #text, p{  
    color:rgb(148, 226, 185)  
}
```

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(148, 226, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 226, 185) }
```

## Border

The CSS property to change the border of an element to CIELCh 84, 35.003, 159.034 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(148, 226, 185) }
```

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

```
.border{ border-color:rgb(148, 226, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 226, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 226, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 226, 185); box-shadow:4px 4px 4px 4px rgb(148, 226, 185) }
```

# Background

The CSS property to change the background color of an element to CIELCh 84, 35.003, 159.034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 226, 185) }
```

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

```
.background{ background-color: rgb(148,  
226, 185) }
```

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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