

# Converting Colors

CIELCh(85, 26.952, 158.630)

Have a look what the booklet for  
CIELCh(85, 26.952, 158.630)  
contains.

<b>CIELCh(85, 26.760, 158.706)</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(85, 26.760, 158.706)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7E1C1
RGB	167, 225, 193
RGB Percent	65%, 88%, 76%
CMY	0.3446, 0.1171, 0.2426
CMYK	0.26, 0.00, 0.14, 0.12
HSL	147°, 49%, 77%
HSV	147°, 26%, 88%
XYZ	52.5639, 66.0070, 60.4970
YIQ	204.0100, -24.2960, -22.2480

# Conversions

## Conversions Part 2

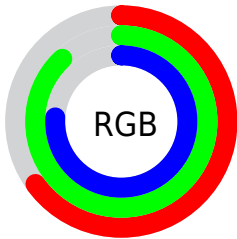
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 207, 225
Decimal	11002305
CIELab	85.00, -24.93, 9.72
CIELCh	85, 26.760, 158.706
Yxy	66.0070, 0.2935, 0.3686
Android (android.graphics.Color)	4289192385 (0xFFA7E1C1)
YUV	204.0100, -5.4279, -32.4578
Hunter-Lab	81.2447, -26.6918, 12.7224

# Details

The CIELCh color **85, 26.760, 158.706** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **75, 27.427, 343.169**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 11.422, 183.140**, and **65, 26.533, 158.353** is the 20% darker color. If you saturate the color by 10%, you get **84, 36.883, 157.612**, and if you desaturate by 10%, it is **87, 16.414, 159.677**.

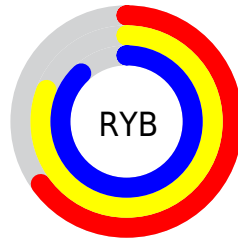
# Distribution



Red (65%)

Green (88%)

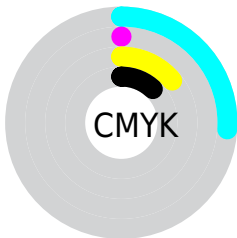
Blue (76%)



Red (65%)

Yellow (81%)

Blue (88%)

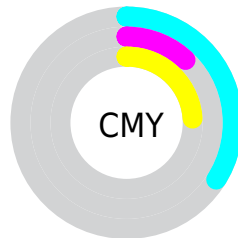


Cyan (26%)

Magenta (0%)

Yellow (14%)

Black (12%)



Cyan (34%)

Magenta (12%)


Yellow (24%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 26.760, 158.706 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, 26.760, 158.706 by changing the saturation by 10% instead.





 85, 26.760,  
158.706


 85, 26.760,  
158.706


 100, 26.760,  
158.706


 75, 26.760,  
158.706

 65, 26.760,  
158.706

 55, 26.760,  
158.706

 45, 26.760,  
158.706

 35, 26.760,  
158.706


 25, 26.760,  
158.706


 15, 26.760,


158.706


 5, 26.760, 158.706


 0, 26.760, 158.706

 85, 26.760,  
158.706


 85, 26.760,  
158.706

 84, 36.883,  
157.612


 87, 16.414,  
159.677


 82, 46.607,  
156.372


 88, 5.989, 160.580

 81, 55.751,  
154.959

 90, 4.391, 341.182

 92, 14.035,  
339.881

 80, 64.143,  
153.352

 93, 18.678,  
325.073

 80, 71.642,

151.534

■ 79, 78.171,  
149.508

■ 79, 83.740,  
147.305

■ 79, 85.899,  
146.377

# Harmonies

# Complementary

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



85, 26.760, 158.706



75, 27.427, 343.169

# Rectangle

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



85, 26.760, 158.706



85, 26.760, 208.706



85, 26.760, 338.706



85, 26.760, 28.706

# Sweetspot

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



85, 26.762, 158.705



98, 9.203, 160.372



87, 31.538, 125.448



52, 6.544, 160.237



0, 0.000, 0.000



53, 0.007, 296.813



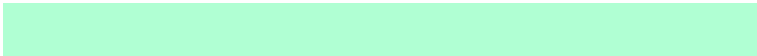


# Same Dimension

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



85, 26.762, 158.705



94, 35.505, 158.126



86, 19.598, 192.092



46, 5.891, 160.248



63, 70.839, 146.777



17, 26.554, 151.225



# Inverse Universe

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



75, 27.427, 343.169



80, 36.553, 343.722



74, 22.809, 16.271



44, 5.952, 341.674



38, 64.988, 357.031

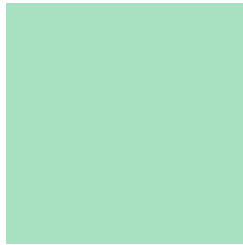


6, 27.024, 350.924



# Previews

## White Background



This preview shows how the CIELCh color 85, 26.760, 158.706 looks on a white background.

## Color Contrast Check

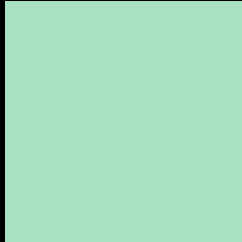
Large Text (above 18pt) WCAG AA × Fail

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, 26.760, 158.706 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

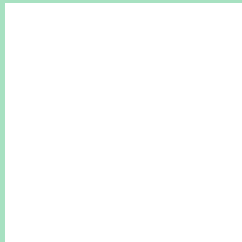
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 85, 26.760, 158.706**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 85, 26.760, 158.706.

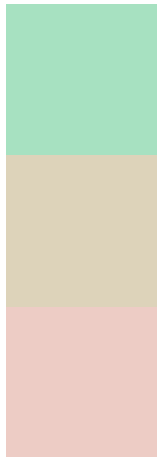


This preview shows how white text looks on a background with the CIELCh color 85, 26.760, 158.706.

# 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

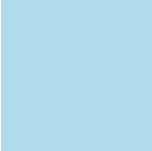


**Original Color**  
85, 26.760, 158.706

**Protanopia**  
85, 13.632, 92.794

**Deuteranopia**  
85, 13.042, 36.518



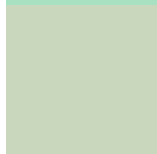


**Tritanopia**  
85, 16.710, 233.332

# Trichromacy



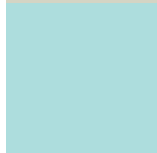
**Original Color**  
85, 26.760, 158.706



**Protanomaly**  
85, 15.244, 130.454



**Deuteranomaly**  
85, 8.386, 109.447



**Tritanomaly**  
85, 16.231, 198.309

# Monochromacy



**Original Color**  
85, 26.760, 158.706



**Achromatopsia**  
82, 0.010, 296.813



**Achromatomaly**  
83, 9.958, 159.252

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 85, 26.760, 158.706 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, 225, 193)` looks like.

```
.text, #text, p{  
    color:rgb(167, 225, 193)  
}
```

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, 225, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 225, 193) }
```

## Border

The CSS property to change the border of an element to CIELCh 85, 26.760, 158.706 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, 225, 193) }
```

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

```
.border{ border-color:rgb(167, 225, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 225, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 225, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 225, 193);  
box-shadow:4px 4px 4px 4px rgb(167, 225,  
193) }
```

# Background

The CSS property to change the background color of an element to CIELCh 85, 26.760, 158.706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 225, 193) }
```

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

```
.background{ background-color: rgb(167,  
225, 193) }
```

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