

# Converting Colors

CIELCh(100, 12.533, 170.746)

Have a look what the booklet for  
CIELCh(100, 12.533, 170.746)  
contains.

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# Color

**CIELCh(98, 8.857, 185.573)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6FFFB
RGB	230, 255, 251
RGB Percent	90%, 100%, 98%
CMY	0.0998, 0.0018, 0.0175
CMYK	0.10, 0.00, 0.02, 0.00
HSL	170°, 97%, 95%
HSV	170°, 10%, 100%
XYZ	85.4464, 94.9163, 104.7104
YIQ	247.0690, -13.6160, -6.5440

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 244, 255
Decimal	15138811
CIE Lab	98.00, -8.82, -0.86
CIE LCh	98, 8.857, 185.573
Yxy	94.9163, 0.2997, 0.3330
Android (android.graphics.Color)	4293328891 (0xFFE6FFFB)
YUV	247.0690, 1.9380, -14.9695
Hunter-Lab	97.4250, -13.9406, 4.4738

# Details

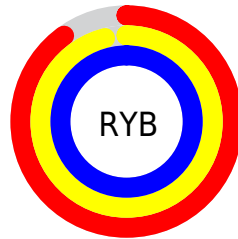
The CIELCh color **98, 8.857, 185.573** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **93, 9.255, 7.177**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **78, 8.769, 188.210** is the 20% darker color. If you saturate the color by 10%, you get **96, 17.552, 184.634**, and if you desaturate by 10%, it is **100, 0.166, 2.313**.

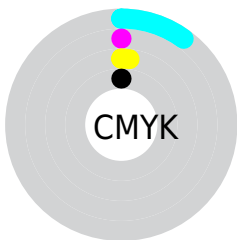
# Distribution



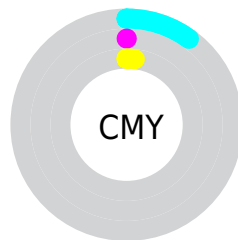
- Red (90%)
- Green (100%)
- Blue (98%)



- Red (90%)
- Yellow (96%)
- Blue (100%)



- Cyan (10%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (10%)
- Magenta (0%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 98, 8.857, 185.573 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 98, 8.857, 185.573 by changing the saturation by 10% instead.



 98, 8.857, 185.573

 98, 8.857, 185.573

 100, 8.857,  
185.573

 88, 8.857, 185.573

 78, 8.857, 185.573

 68, 8.857, 185.573

 58, 8.857, 185.573

 48, 8.857, 185.573

 38, 8.857, 185.573

 28, 8.857, 185.573

 18, 8.857, 185.573

 8, 8.857, 185.573

98, 8.857, 185.573

98, 8.857, 185.573

96, 17.552,  
184.634

100, 0.166, 2.313

95, 25.769,  
183.690

100, 0.288,  
323.377

94, 33.352,  
182.700

92, 40.148,  
181.649

92, 46.017,  
180.516

91, 50.858,  
179.279

90, 54.626,  
177.916

90, 57.358,  
176.407

■ 90, 59.246,  
174.764

# Harmonies

# Complementary

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



98, 8.857, 185.573



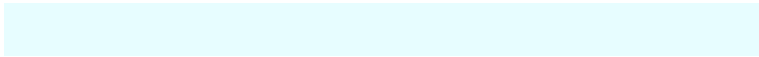
93, 9.255, 7.177

# Rectangle

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



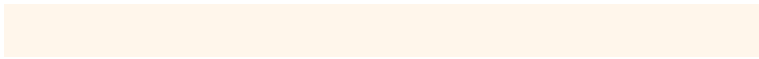
98, 8.857, 185.573



98, 8.857, 235.573



98, 8.857, 5.573



98, 8.857, 55.573

# Sweetspot

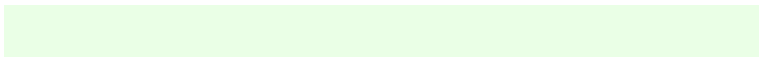
The Sweet Spot groups the original color and five complimentary colors.



98, 8.859, 185.563



99, 2.734, 186.311



98, 14.790, 139.341



53, 2.071, 186.195



0, 0.000, 0.000



53, 0.007, 296.813



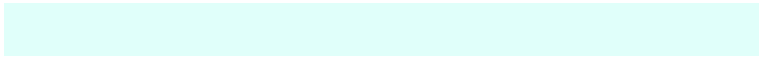


# Same Dimension

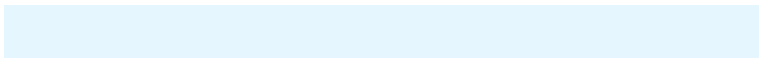
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 8.859, 185.563



98, 10.802, 185.358



96, 7.033, 236.665



52, 5.139, 185.592



69, 47.644, 175.042



23, 21.406, 177.240



# Inverse Universe

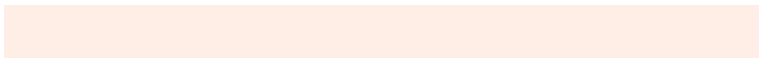
The Inverse Universe completely reimagines the original color for something new.



93, 9.255, 7.177



92, 11.398, 7.412



95, 7.387, 54.840



50, 5.361, 7.144



40, 76.959, 32.419



10, 32.220, 20.589



# Previews

## White Background



This preview shows how the CIELCh color 98, 8.857, 185.573 looks on a white background.

## Color Contrast Check

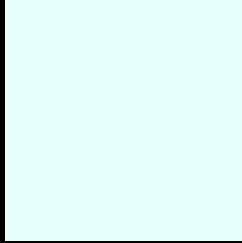
Large Text (above 18pt) WCAG AA × Fail

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 98, 8.857, 185.573 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

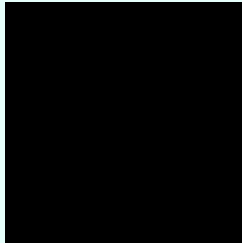
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

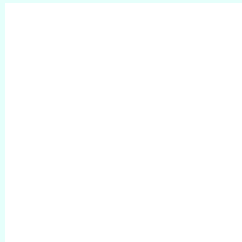
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 98, 8.857, 185.573

## Background



This preview shows how black text looks on a background with the CIELCh color 98, 8.857, 185.573.



This preview shows how white text looks on a background with the CIELCh color 98, 8.857, 185.573.

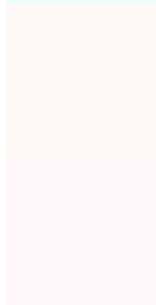
# Color Blindness Simulation

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**  
98, 8.857, 185.573



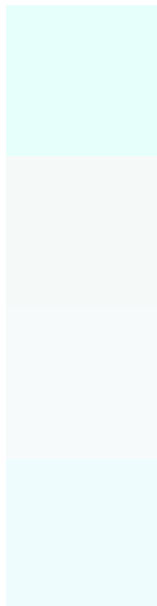
**Protanopia**  
98, 2.172, 32.785

**Deuteranopia**  
98, 3.223, 351.093



**Tritanopia**  
98, 3.064, 256.053

# Trichromacy



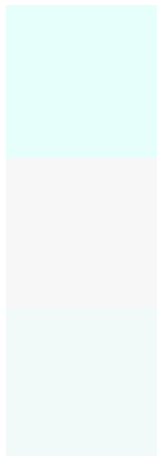
**Original Color**  
98, 8.857, 185.573

**Protanomaly**  
98, 2.030, 169.496

**Deuteranomaly**  
98, 1.394, 199.784

**Tritanomaly**  
98, 4.505, 205.777

# Monochromacy



**Original Color**  
98, 8.857, 185.573

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
98, 3.310, 181.426

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 98, 8.857, 185.573 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(230, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 251)  
}
```

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(230, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 251) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 8.857, 185.573 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(230, 255, 251) }
```

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

```
.border{ border-color:rgb(230, 255, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
251) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 8.857, 185.573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 251) }
```

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

```
.background{ background-color: rgb(230,  
255, 251) }
```

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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