

# Converting Colors

CIELCh(98, 7.006, 175.372)

Have a look what the booklet for  
CIELCh(98, 7.006, 175.372) contains.

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# Color

**CIELCh(98, 6.777, 176.947)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBFDF8
RGB	235, 253, 248
RGB Percent	92%, 99%, 97%
CMY	0.0774, 0.0068, 0.0264
CMYK	0.07, 0.00, 0.02, 0.01
HSL	163°, 84%, 96%
HSV	163°, 7%, 99%
XYZ	86.5388, 94.9163, 102.7794
YIQ	247.0480, -9.1230, -5.3710

# Conversions

## Conversions Part 2

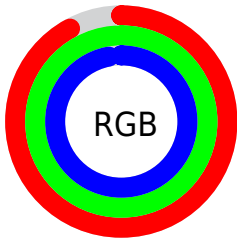
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 245, 253
Decimal	15465976
CIE Lab	98.00, -6.77, 0.36
CIE LCh	98, 6.777, 176.947
Yxy	94.9163, 0.3045, 0.3339
Android (android.graphics.Color)	4293656056 (0xFFEBFDF8)
YUV	247.0480, 0.4693, -10.5661
Hunter-Lab	97.4250, -11.9392, 5.6490

# Details

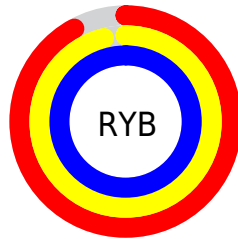
The CIELCh color **98, 6.777, 176.947** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95, 6.935, 358.099**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **78, 6.558, 179.890** is the 20% darker color. If you saturate the color by 10%, you get **96, 16.158, 175.912**, and if you desaturate by 10%, it is **100, 1.084, 324.194**.

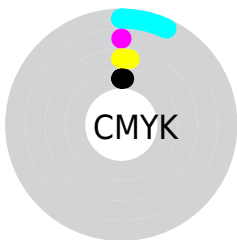
# Distribution



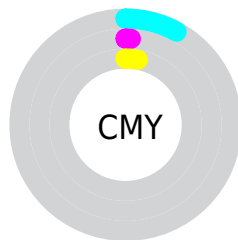
- Red (92%)
- Green (99%)
- Blue (97%)



- Red (92%)
- Yellow (96%)
- Blue (99%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (1%)



- Cyan (8%)
- Magenta (1%)
- Yellow (3%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 6.777, 176.947 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, 6.777, 176.947 by changing the saturation by 10% instead.



 98, 6.777, 176.947

 98, 6.777, 176.947

 100, 6.777,  
176.947

 88, 6.777, 176.947

 78, 6.777, 176.947

 68, 6.777, 176.947

 58, 6.777, 176.947

 48, 6.777, 176.947

 38, 6.777, 176.947

 28, 6.777, 176.947

 18, 6.777, 176.947

 8, 6.777, 176.947

98, 6.777, 176.947

98, 6.777, 176.947

96, 16.158,  
175.912

100, 1.084,  
324.194

95, 25.221,  
174.853

93, 33.813,  
173.712

92, 41.771,  
172.466

91, 48.935,  
171.088

90, 55.175,  
169.555

90, 60.408,  
167.840

89, 64.630,  
165.927

■ 89, 67.941,  
163.822

# Harmonies

# Complementary

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



98, 6.777, 176.947



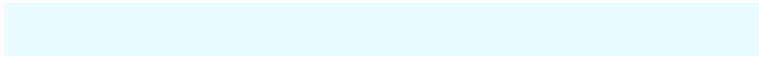
95, 6.935, 358.099

# Rectangle

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



98, 6.777, 176.947



98, 6.777, 226.947



98, 6.777, 356.947



98, 6.777, 46.947

# Sweetspot

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



98, 6.779, 176.936



100, 1.920, 177.627



98, 10.282, 135.974



53, 1.092, 177.652



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

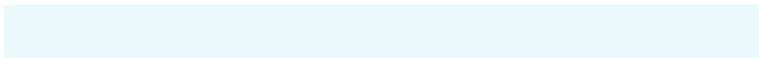
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 6.779, 176.936



98, 8.617, 176.738



97, 5.206, 221.800



52, 5.441, 176.687



69, 55.374, 163.600



23, 24.407, 166.519



# Inverse Universe

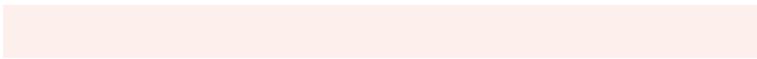
The Inverse Universe completely reimagines the original color for something new.



95, 6.935, 358.099



94, 8.864, 358.307



95, 5.435, 41.113



50, 5.606, 358.363



40, 71.485, 23.227

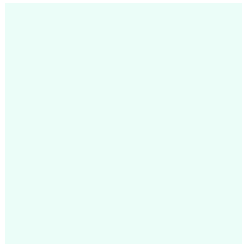


10, 31.558, 14.242



# Previews

## White Background



This preview shows how the CIELCh color 98, 6.777, 176.947 looks on a white background.

## Color Contrast Check

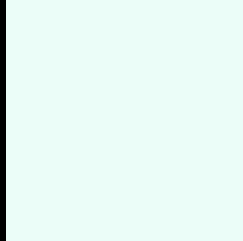
Large Text (above 18pt) WCAG AA × Fail

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, 6.777, 176.947 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

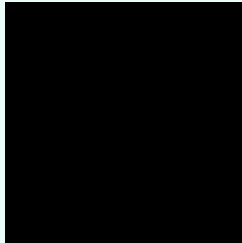
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

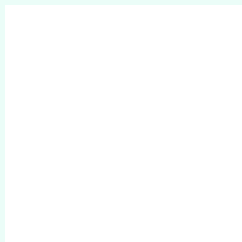
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 98, 6.777, 176.947**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 98, 6.777, 176.947.

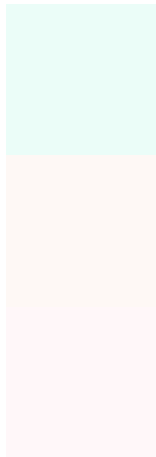


This preview shows how white text looks on a background with the CIELCh color 98, 6.777, 176.947.

# 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, 6.777, 176.947

### Protanopia

98, 2.599, 55.190

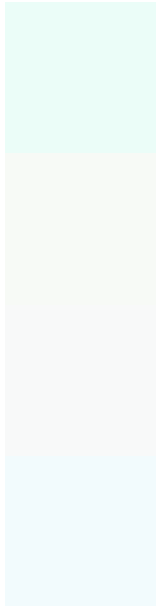
### Deuteranopia

98, 3.011, 359.612



**Tritanopia**  
98, 3.225, 271.658

# Trichromacy



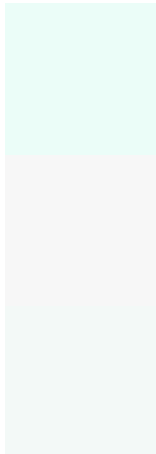
**Original Color**  
98, 6.777, 176.947

**Protanomaly**  
98, 2.296, 137.327

**Deuteranomaly**  
98, 0.349, 201.249

**Tritanomaly**  
98, 3.262, 217.662

# Monochromacy



**Original Color**  
98, 6.777, 176.947

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
97, 2.341, 173.708

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 98, 6.777, 176.947 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(235, 253, 248)` looks like.

```
.text, #text, p{  
    color:rgb(235, 253, 248)  
}
```

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(235, 253, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 253, 248) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 6.777, 176.947 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(235, 253, 248) }
```

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

```
.border{ border-color:rgb(235, 253, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 253, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 253, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 253, 248);  
box-shadow:4px 4px 4px 4px rgb(235, 253,  
248) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 6.777, 176.947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 253, 248) }
```

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

```
.background{ background-color: rgb(235,  
253, 248) }
```

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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