

# Converting Colors

CIELCh(98, 7.369, 188.366)

Have a look what the booklet for  
CIELCh(98, 7.369, 188.366) contains.

|  |    |
|--|----|
| <b>CIELCh(98, 7.415, 187.093)</b> .....        | 3  |
| <i><b>Conversions</b></i> .....                | 4  |
| <i><b>Details</b></i> .....                    | 6  |
| <i><b>Harmonies</b></i> .....                  | 12 |
| <i><b>Previews</b></i> .....                   | 21 |
| <i><b>Color Blindness Simulation</b></i> ..... | 24 |
| <i><b>CSS Examples</b></i> .....               | 27 |

# Color

**CIELCh(98, 7.415, 187.093)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | E9FEFB                      |
| RGB         | 233, 254, 251               |
| RGB Percent | 91%, 100%, 98%              |
| CMY         | 0.0874, 0.0051, 0.0168      |
| CMYK        | 0.08, 0.00, 0.01, 0.01      |
| HSL         | 171°, 89%, 95%              |
| HSV         | 171°, 8%, 99%               |
| XYZ         | 86.2226, 94.9163, 104.7987  |
| YIQ         | 247.3790, -11.5530, -5.3850 |

# Conversions

## Conversions Part 2

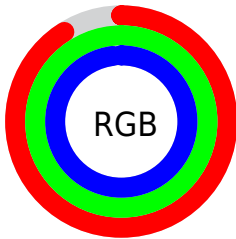
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 233, 244, 254                 |
| Decimal                             | 15335163                      |
| CIE Lab                             | 98.00, -7.36, -0.92           |
| CIE LCh                             | 98, 7.415, 187.093            |
| Yxy                                 | 94.9163, 0.3015,<br>0.3319    |
| Android<br>(android.graphics.Color) | 4293525243<br>(0xFFE9FEFB)    |
| YUV                                 | 247.3790, 1.7852,<br>-12.6104 |
| Hunter-Lab                          | 97.4250, -12.5184,<br>4.4201  |

# Details

The CIELCh color **98, 7.415, 187.093** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94, 7.709, 8.349**, 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, 7.284, 190.444** is the 20% darker color. If you saturate the color by 10%, you get **96, 16.074, 186.172**, and if you desaturate by 10%, it is **100, 0.563, 343.676**.

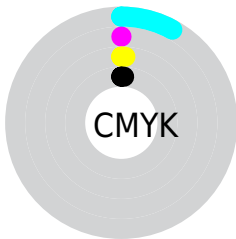
# Distribution



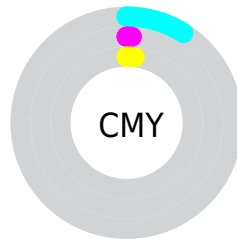
- Red (91%)
- Green (100%)
- Blue (98%)



- Red (91%)
- Yellow (96%)
- Blue (100%)



- Cyan (8%)
- Magenta (0%)
- Yellow (1%)
- Black (1%)



- Cyan (9%)
- Magenta (1%)
- Yellow (2%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 7.415, 187.093 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, 7.415, 187.093 by changing the saturation by 10% instead.



 98, 7.415, 187.093

 98, 7.415, 187.093

 100, 7.415,  
187.093

 88, 7.415, 187.093

 78, 7.415, 187.093

 68, 7.415, 187.093

 58, 7.415, 187.093

 48, 7.415, 187.093

 38, 7.415, 187.093

 28, 7.415, 187.093

 18, 7.415, 187.093

 8, 7.415, 187.093

98, 7.415, 187.093

98, 7.415, 187.093

96, 16.074,  
186.172

100, 0.563,  
343.676

95, 24.260,  
185.264

100, 0.811,  
324.088

93, 31.822,  
184.323

92, 38.606,  
183.333

92, 44.471,  
182.275

91, 49.313,  
181.130

90, 53.079,  
179.876

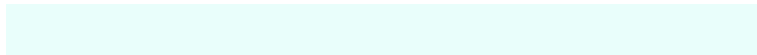
90, 55.794,  
178.491

■ 90, 57.599,  
176.972

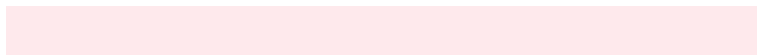
# Harmonies

# Complementary

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



98, 7.415, 187.093



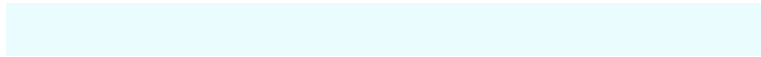
94, 7.709, 8.349

# Rectangle

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



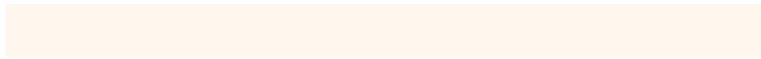
98, 7.415, 187.093



98, 7.415, 237.093



98, 7.415, 7.093



98, 7.415, 57.093

# Sweetspot

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



98, 7.417, 187.080



100, 1.813, 187.871



98, 12.484, 139.903



53, 1.031, 187.898



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

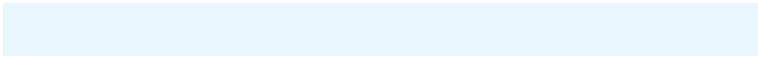
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 7.417, 187.080



98, 8.972, 186.919



96, 5.944, 238.645



52, 5.105, 186.965



70, 46.651, 176.991



23, 21.022, 179.028



# Inverse Universe

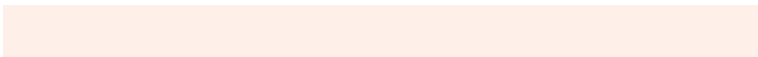
The Inverse Universe completely reimagines the original color for something new.



94, 7.709, 8.349



93, 9.401, 8.531



96, 6.178, 56.962



50, 5.337, 8.479



40, 77.836, 33.520

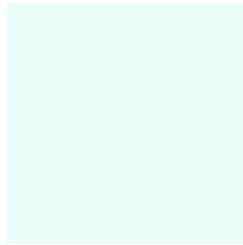


10, 32.322, 21.314



# Previews

## White Background



This preview shows how the CIELCh color 98, 7.415, 187.093 looks on a white background.

## Color Contrast Check

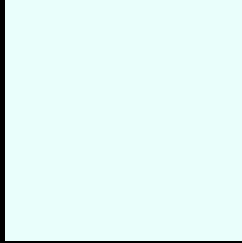
Large Text (above 18pt) WCAG AA × Fail

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, 7.415, 187.093 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

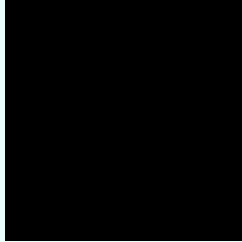
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

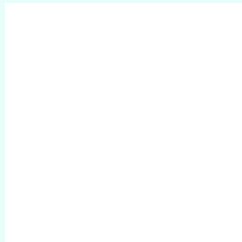
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 98, 7.415, 187.093**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 98, 7.415, 187.093.

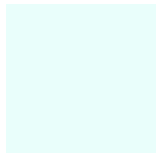


This preview shows how white text looks on a background with the CIELCh color 98, 7.415, 187.093.

# Color Blindness Simulation

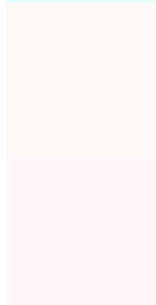
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

98, 7.415, 187.093



### Protanopia

98, 2.172, 32.785

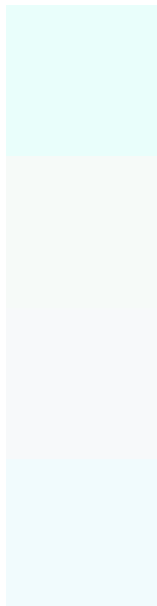
### Deuteranopia

98, 3.223, 351.093



**Tritanopia**  
98, 3.225, 271.658

# Trichromacy



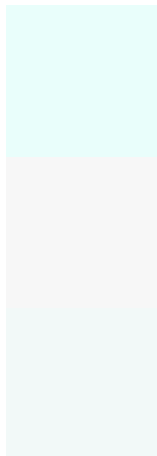
**Original Color**  
98, 7.415, 187.093

**Protanomaly**  
98, 1.736, 163.796

**Deuteranomaly**  
98, 0.864, 236.459

**Tritanomaly**  
98, 3.588, 215.914

# Monochromacy



**Original Color**  
98, 7.415, 187.093

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
97, 2.499, 187.716

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 98, 7.415, 187.093 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(233, 254, 251)` looks like.

```
.text, #text, p{  
    color:rgb(233, 254, 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(233, 254, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 254, 251) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 7.415, 187.093 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(233, 254, 251) }
```

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

```
.border{ border-color:rgb(233, 254, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 254, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 254, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 254, 251);  
box-shadow:4px 4px 4px 4px rgb(233, 254,  
251) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 7.415, 187.093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 254, 251) }
```

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

```
.background{ background-color: rgb(233,  
254, 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](#).

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