

# Converting Colors

CIECh(98, 12.021, 259.275)

Have a look what the booklet for  
CIELCh(98, 12.021, 259.275)  
contains.

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# Color

**CIELCh(98, 6.969, 211.805)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9FDFF
RGB	233, 253, 255
RGB Percent	91%, 99%, 100%
CMY	0.0861, 0.0075, 0.0000
CMYK	0.09, 0.01, 0.00, 0.00
HSL	185°, 100%, 96%
HSV	185°, 9%, 100%
XYZ	86.9921, 94.9163, 109.2502
YIQ	247.2480, -12.5620, -3.6180

# Conversions

## Conversions Part 2

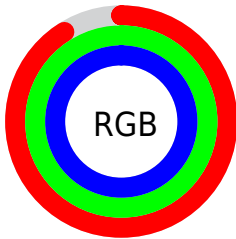
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 243, 255
Decimal	15334911
CIE Lab	98.00, -5.92, -3.67
CIE LCh	98, 6.969, 211.805
Yxy	94.9163, 0.2988, 0.3260
Android (android.graphics.Color)	4293524991 (0xFFE9FDFF)
YUV	247.2480, 3.8217, -12.4955
Hunter-Lab	97.4250, -11.1085, 1.7110

# Details

The CIELCh color **98, 6.969, 211.805** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95, 7.291, 27.562**, 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, 6.841, 208.010** is the 20% darker color. If you saturate the color by 10%, you get **96, 14.476, 207.080**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

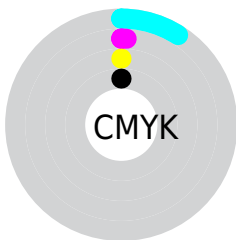
# Distribution



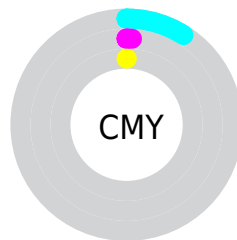
- Red (91%)
- Green (99%)
- Blue (100%)



- Red (91%)
- Yellow (95%)
- Blue (100%)



- Cyan (9%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (1%)
- Yellow (0%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 6.969, 211.805 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, 6.969, 211.805 by changing the saturation by 10% instead.



 98, 6.969, 211.805

 98, 6.969, 211.805

 100, 6.969,  
211.805

 88, 6.969, 211.805

 78, 6.969, 211.805

 68, 6.969, 211.805

 58, 6.969, 211.805

 48, 6.969, 211.805

 38, 6.969, 211.805

 28, 6.969, 211.805

 18, 6.969, 211.805

 8, 6.969, 211.805

98, 6.969, 211.805

98, 6.969, 211.805

96, 14.476,  
207.080

100, 0.012,  
296.813

94, 21.474,  
207.014

92, 27.753,  
207.082

90, 33.178,  
207.307

89, 37.632,  
207.719

88, 41.029,  
208.352

86, 43.341,  
209.240

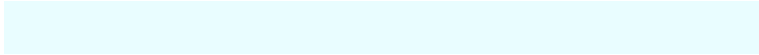
86, 44.608,  
210.414

■ 85, 44.992,  
211.882

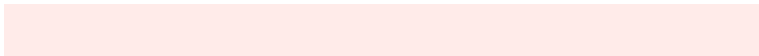
# Harmonies

# Complementary

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



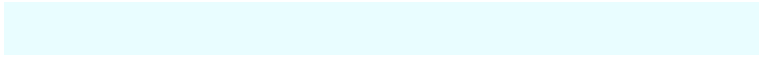
98, 6.969, 211.805



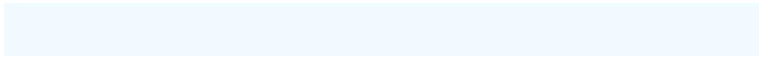
95, 7.291, 27.562

# Rectangle

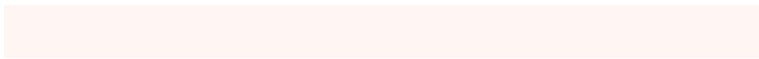
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 6.969, 211.805



98, 6.969, 261.805



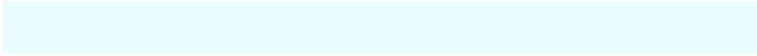
98, 6.969, 31.805



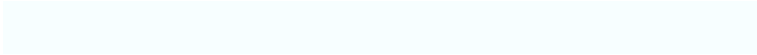
98, 6.969, 81.805

# Sweetspot

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



98, 6.894, 207.283



99, 2.437, 207.582



98, 12.916, 146.274



53, 1.844, 207.506



0, 0.000, 0.000



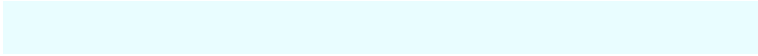
53, 0.007, 296.813



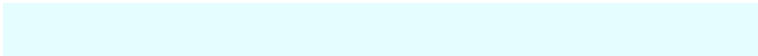


# Same Dimension

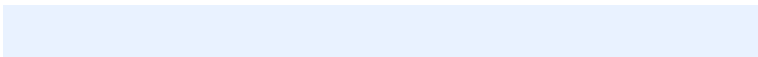
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 6.894, 207.283



98, 7.982, 207.243



95, 7.223, 265.077



52, 4.544, 207.257



65, 36.306, 211.798



22, 16.867, 209.749



# Inverse Universe

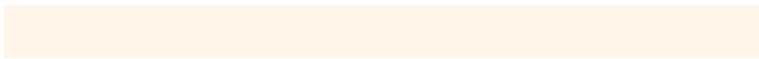
The Inverse Universe completely reimagines the original color for something new.



95, 12.903, 327.375



94, 15.006, 327.459



97, 7.287, 82.725



50, 8.529, 327.429



44, 86.877, 332.074

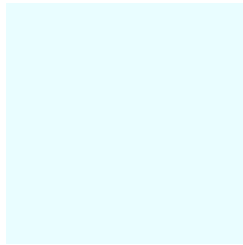


12, 40.301, 331.572



# Previews

## White Background



This preview shows how the CIELCh color 98, 6.969, 211.805 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, 6.969, 211.805 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

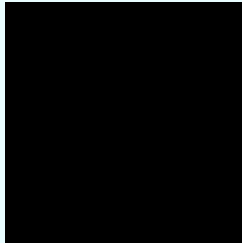
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 98, 6.969, 211.805

## Background



This preview shows how black text looks on a background with the CIELCh color 98, 6.969, 211.805.

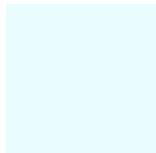


This preview shows how white text looks on a background with the CIELCh color 98, 6.969, 211.805.

# Color Blindness Simulation

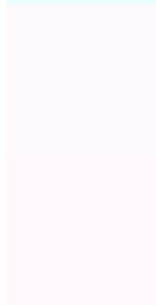
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

98, 6.892, 207.608



### Protanopia

98, 2.498, 324.407

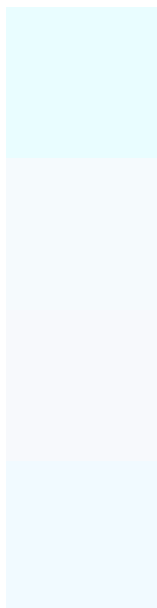
### Deuteranopia

98, 3.497, 343.770



**Tritanopia**  
98, 3.347, 266.028

# Trichromacy



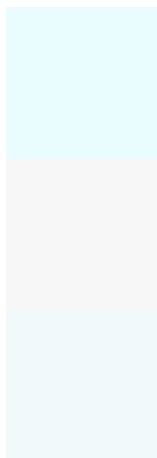
**Original Color**  
98, 6.892, 207.608

**Protanomaly**  
98, 2.300, 241.396

**Deuteranomaly**  
98, 1.681, 265.875

**Tritanomaly**  
98, 3.984, 239.309

# Monochromacy



**Original Color**  
98, 6.892, 207.608

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
97, 2.480, 211.409

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 98, 6.969, 211.805 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, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 253, 255)  
}
```

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, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 253, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 6.969, 211.805 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, 253, 255) }
```

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

```
.border{ border-color:rgb(233, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 253,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 6.969, 211.805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 253, 255) }
```

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

```
.background{ background-color: rgb(233,  
253, 255) }
```

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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