

# Converting Colors

CIECh(98, 11.997, 248.704)

Have a look what the booklet for  
CIELCh(98, 11.997, 248.704)  
contains.

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# Color

**CIELCh(98, 8.542, 205.838)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5FEFF
RGB	229, 254, 255
RGB Percent	90%, 100%, 100%
CMY	0.1016, 0.0035, 0.0000
CMYK	0.10, 0.00, 0.00, 0.00
HSL	182°, 100%, 95%
HSV	182°, 10%, 100%
XYZ	86.0465, 94.9163, 109.3321
YIQ	246.6390, -15.2210, -4.9890

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 242, 255
Decimal	15073023
CIE Lab	98.00, -7.69, -3.72
CIE LCh	98, 8.542, 205.838
Yxy	94.9163, 0.2964, 0.3270
Android (android.graphics.Color)	4293263103 (0xFFE5FEFF)
YUV	246.6390, 4.1220, -15.4694
Hunter-Lab	97.4250, -12.8411, 1.6612

# Details

The CIELCh color **98, 8.542, 205.838** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **93, 9.102, 22.825**, 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, 8.522, 202.439** is the 20% darker color. If you saturate the color by 10%, you get **96, 16.413, 201.585**, and if you desaturate by 10%, it is **100, 0.138, 207.201**.

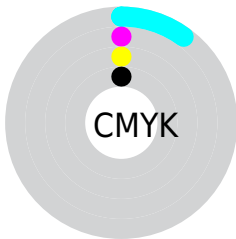
# Distribution



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



- Red (90%)
- Yellow (95%)
- Blue (100%)



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



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

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 8.542, 205.838 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, 8.542, 205.838 by changing the saturation by 10% instead.



 98, 8.542, 205.838

 98, 8.542, 205.838

 100, 8.542,  
205.838

 88, 8.542, 205.838

 78, 8.542, 205.838

 68, 8.542, 205.838

 58, 8.542, 205.838

 48, 8.542, 205.838

 38, 8.542, 205.838

 28, 8.542, 205.838

 18, 8.542, 205.838

 8, 8.542, 205.838

98, 8.542, 205.838

98, 8.542, 205.838

96, 16.413,  
201.585

100, 0.138,  
207.201

95, 23.671,  
201.265

100, 0.012,  
296.813

93, 30.152,  
201.033

92, 35.722,  
200.899

91, 40.267,  
200.875

90, 43.715,  
200.973

89, 46.051,  
201.202

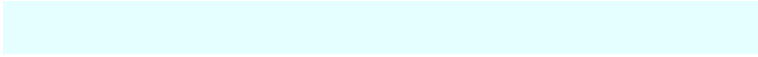
89, 47.333,  
201.567

■ 89, 47.773,  
202.046

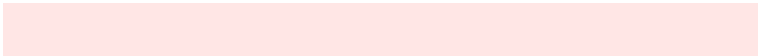
# Harmonies

# Complementary

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



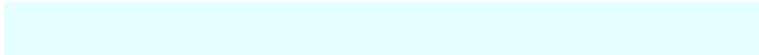
98, 8.542, 205.838



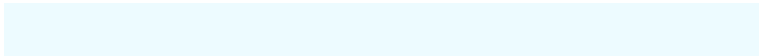
93, 9.102, 22.825

# Rectangle

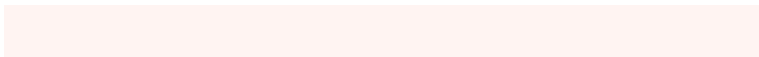
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



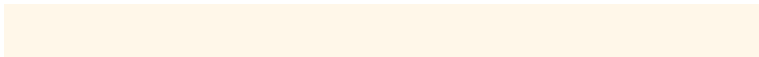
98, 8.542, 205.838



98, 8.542, 255.838



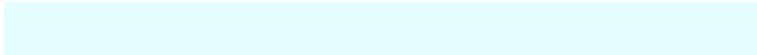
98, 8.542, 25.838



98, 8.542, 75.838

# Sweetspot

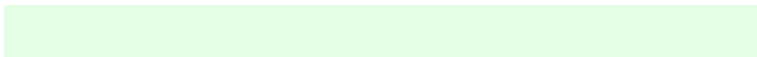
The Sweet Spot groups the original color and five complimentary colors.



98, 8.523, 201.998



99, 2.561, 202.483



98, 15.805, 144.748



53, 1.938, 202.394



0, 0.000, 0.000



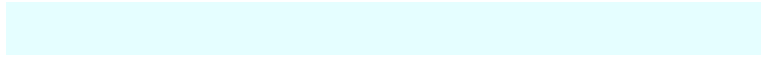
53, 0.007, 296.813



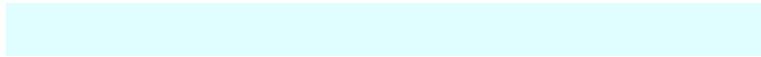


# Same Dimension

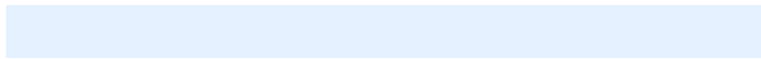
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 8.523, 201.998



98, 10.015, 201.913



95, 8.133, 260.361



52, 4.777, 202.030



68, 38.508, 201.944



23, 17.811, 201.244



# Inverse Universe

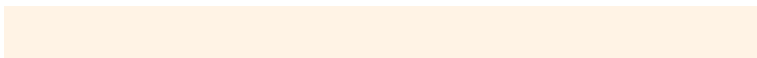
The Inverse Universe completely reimagines the original color for something new.



94, 15.820, 325.917



93, 18.702, 326.024



96, 8.289, 77.612



50, 8.849, 325.879



45, 90.615, 329.644

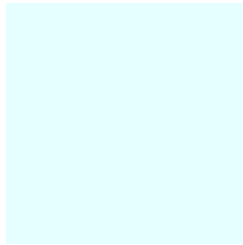


12, 41.822, 329.468



# Previews

## White Background



This preview shows how the CIELCh color 98, 8.542, 205.838 looks on a white background.

## Color Contrast Check

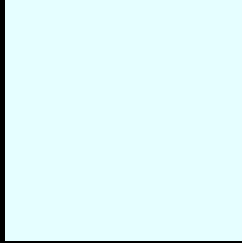
Large Text (above 18pt) WCAG AA × Fail

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, 8.542, 205.838 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

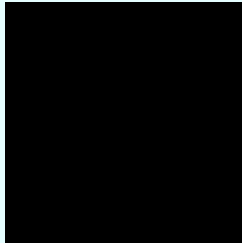
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 98, 8.542, 205.838**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 98, 8.542, 205.838.

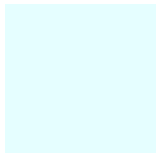


This preview shows how white text looks on a background with the CIELCh color 98, 8.542, 205.838.

# Color Blindness Simulation

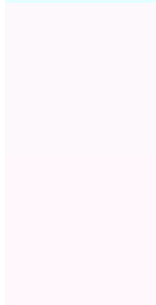
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

98, 8.516, 202.392



### Protanopia

98, 2.096, 332.260

### Deuteranopia

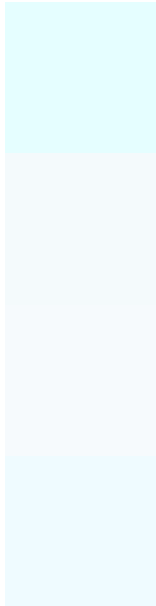
98, 3.820, 337.601





**Tritanopia**  
98, 3.064, 256.053

# Trichromacy



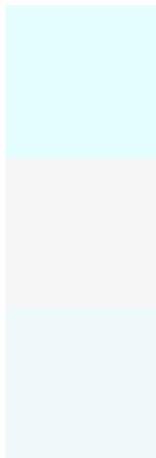
**Original Color**  
98, 8.516, 202.392

**Protanomaly**  
98, 2.308, 225.838

**Deuteranomaly**  
98, 2.056, 247.866

**Tritanomaly**  
98, 4.571, 225.870

# Monochromacy



**Original Color**  
98, 8.516, 202.392

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
98, 3.469, 199.370

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 98, 8.542, 205.838 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(229, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 254, 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(229, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 254, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 8.542, 205.838 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(229, 254, 255) }
```

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

```
.border{ border-color:rgb(229, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 254,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 8.542, 205.838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 254, 255) }
```

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

```
.background{ background-color: rgb(229,  
254, 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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