

# Converting Colors

CIELCh(100, 12.276, 237.592)

Have a look what the booklet for  
CIELCh(100, 12.276, 237.592)  
contains.

<b>CIELCh(98, 8.521, 198.944)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# **Color**

**CIELCh(98, 8.521, 198.944)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5FEFE
RGB	229, 254, 254
RGB Percent	90%, 100%, 100%
CMY	0.1009, 0.0029, 0.0029
CMYK	0.10, 0.00, 0.00, 0.00
HSL	180°, 94%, 95%
HSV	180°, 10%, 100%
XYZ	85.8484, 94.9163, 107.7729
YIQ	246.5250, -14.9000, -5.3000

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 242, 254
Decimal	15073022
CIE Lab	98.00, -8.06, -2.77
CIE LCh	98, 8.521, 198.944
Yxy	94.9163, 0.2975, 0.3290
Android (android.graphics.Color)	4293263102 (0xFFE5FEFE)
YUV	246.5250, 3.6852, -15.3694
Hunter-Lab	97.4250, -13.2040, 2.6100

# Details

The CIELCh color **98, 8.521, 198.944** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **93, 9.073, 19.958**, 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, 8.537, 198.815** is the 20% darker color. If you saturate the color by 10%, you get **96, 16.698, 198.382**, and if you desaturate by 10%, it is **100, 0.154, 15.100**.

# 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, 8.521, 198.944 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, 8.521, 198.944 by changing the saturation by 10% instead.



 98, 8.521, 198.944

 98, 8.521, 198.944

 100, 8.521,  
198.944

 88, 8.521, 198.944

 78, 8.521, 198.944

 68, 8.521, 198.944

 58, 8.521, 198.944

 48, 8.521, 198.944

 38, 8.521, 198.944

 28, 8.521, 198.944

 18, 8.521, 198.944

 8, 8.521, 198.944

98, 8.521, 198.944

98, 8.521, 198.944

96, 16.698,  
198.382

100, 0.154, 15.100

100, 0.262, 16.490

95, 24.231,  
197.907

100, 0.262, 16.094

94, 30.976,  
197.493

100, 0.262, 15.699

93, 36.795,  
197.143

100, 0.262, 15.304

100, 0.262, 14.910

92, 41.578,  
196.859

100, 0.262, 14.516


92, 45.256,  
196.643

100, 0.262, 14.123

100, 0.263, 13.730

91, 47.820,  
196.494

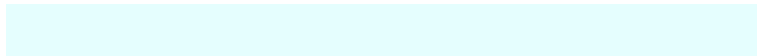
91, 49.334,  
196.405

 91, 50.001,  
196.365

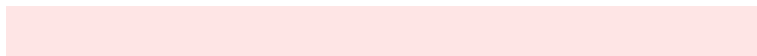
# Harmonies

# Complementary

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



98, 8.521, 198.944



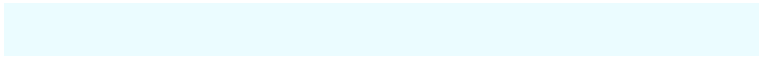
93, 9.073, 19.958

# Rectangle

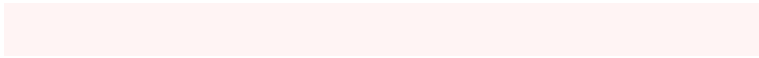
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



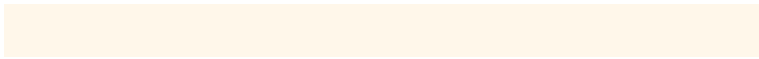
98, 8.521, 198.944



98, 8.521, 248.944



98, 8.521, 18.944



98, 8.521, 68.944

# Sweetspot

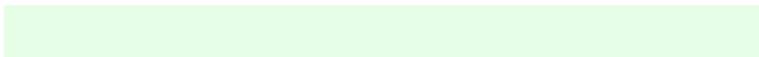
The Sweet Spot groups the original color and five complimentary colors.



98, 8.522, 198.931



99, 2.650, 199.475



97, 15.516, 143.445



53, 2.005, 199.378



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

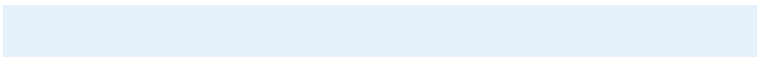
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 8.522, 198.931



98, 10.369, 198.803



95, 7.532, 254.928



52, 4.945, 198.951



70, 40.369, 196.365



24, 18.571, 196.367



# Inverse Universe

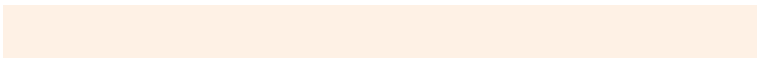
The Inverse Universe completely reimagines the original color for something new.



93, 9.073, 19.958



92, 11.200, 20.134



96, 7.731, 72.348



49, 5.254, 19.932



40, 84.223, 39.995

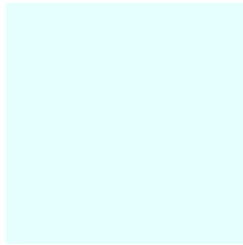


10, 33.366, 27.171



# Previews

## White Background



This preview shows how the CIELCh color 98, 8.521, 198.944 looks on a white background.

## Color Contrast Check

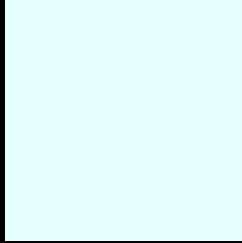
Large Text (above 18pt) WCAG AA × Fail

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, 8.521, 198.944 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

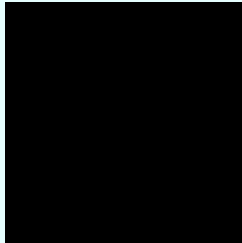
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 98, 8.521, 198.944**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 98, 8.521, 198.944.



This preview shows how white text looks on a background with the CIELCh color 98, 8.521, 198.944.

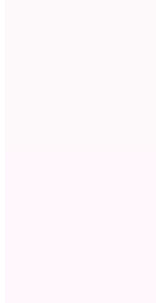
# Color Blindness Simulation

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, 8.527, 198.942



**Protanopia**  
98, 2.047, 349.333

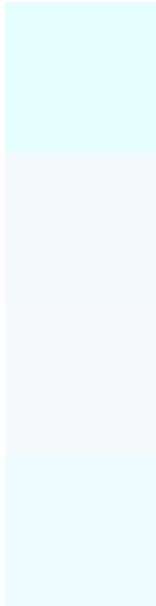
**Deuteranopia**  
98, 3.497, 343.770





**Tritanopia**  
98, 3.064, 256.053

# Trichromacy



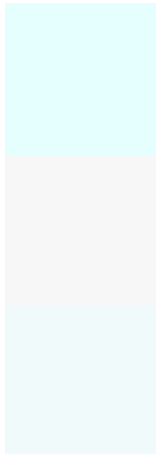
**Original Color**  
98, 8.527, 198.942

**Protanomaly**  
98, 2.308, 225.838

**Deuteranomaly**  
98, 1.717, 236.229

**Tritanomaly**  
98, 4.699, 218.306

# Monochromacy



**Original Color**  
98, 8.527, 198.942

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
98, 3.125, 199.413

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 98, 8.521, 198.944 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(229, 254, 254)  
}
```

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, 254) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to CIELCh 98, 8.521, 198.944 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, 254) }
```

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

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

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, 254)` colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to CIELCh 98, 8.521, 198.944 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, 254) }
```

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

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

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