

# Converting Colors

CIELCh(100, 9.578, 190.220)

Have a look what the booklet for  
CIELCh(100, 9.578, 190.220)  
contains.

<b>CIELCh(98, 7.521, 199.018)</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, 7.521, 199.018)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8FEFE
RGB	232, 254, 254
RGB Percent	91%, 100%, 100%
CMY	0.0914, 0.0052, 0.0052
CMYK	0.09, 0.00, 0.00, 0.01
HSL	180°, 89%, 95%
HSV	180°, 9%, 99%
XYZ	86.3551, 94.9163, 107.2620
YIQ	247.4220, -13.1120, -4.6640

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 243, 254
Decimal	15269630
CIE Lab	98.00, -7.11, -2.45
CIE LCh	98, 7.521, 199.018
Yxy	94.9163, 0.2993, 0.3290
Android (android.graphics.Color)	4293459710 (0xFFE8FEFE)
YUV	247.4220, 3.2430, -13.5251
Hunter-Lab	97.4250, -12.2757, 2.9209

# Details

The CIELCh color **98, 7.521, 199.018** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **94, 7.948, 19.864**, 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, 7.500, 198.903** is the 20% darker color. If you saturate the color by 10%, you get **96, 15.748, 198.442**, and if you desaturate by 10%, it is **100, 0.463, 17.980**.

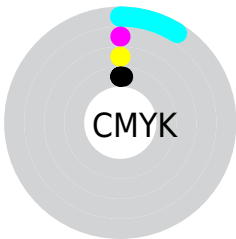
# Distribution



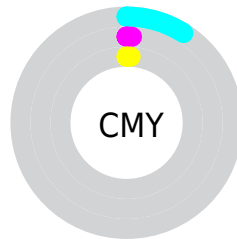
- Red (91%)
- Green (100%)
- Blue (100%)



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



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



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

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 7.521, 199.018 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, 7.521, 199.018 by changing the saturation by 10% instead.



 98, 7.521, 199.018

 98, 7.521, 199.018

 100, 7.521,  
199.018

 88, 7.521, 199.018

 78, 7.521, 199.018

 68, 7.521, 199.018

 58, 7.521, 199.018

 48, 7.521, 199.018

 38, 7.521, 199.018

 28, 7.521, 199.018

 18, 7.521, 199.018

 8, 7.521, 199.018

98, 7.521, 199.018

98, 7.521, 199.018

96, 15.748,  
198.442

100, 0.463, 17.980

100, 0.463, 17.752

95, 23.350,  
197.959

100, 0.463, 17.524

94, 30.181,  
197.538

100, 0.464, 17.296

100, 0.464, 17.068

93, 36.104,  
197.180

100, 0.464, 16.841

92, 41.004,  
196.888

100, 0.464, 16.613


91, 44.806,  
196.665

100, 0.464, 16.386

100, 0.464, 16.158

91, 47.494,  
196.507

91, 49.122,  
196.412

 91, 49.855,  
196.368

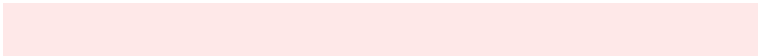
# Harmonies

# Complementary

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



98, 7.521, 199.018



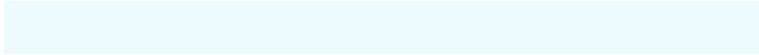
94, 7.948, 19.864

# Rectangle

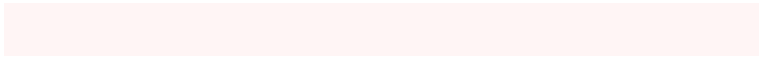
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



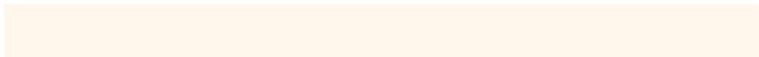
98, 7.521, 199.018



98, 7.521, 249.018



98, 7.521, 19.018



98, 7.521, 69.018

# Sweetspot

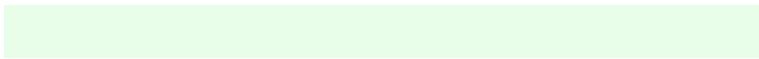
The Sweet Spot groups the original color and five complimentary colors.



98, 7.522, 199.003



99, 2.650, 199.475



97, 13.643, 143.521



53, 2.005, 199.378



0, 0.000, 0.000



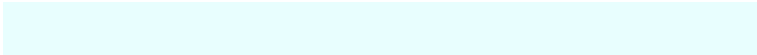
53, 0.007, 296.813





# Same Dimension

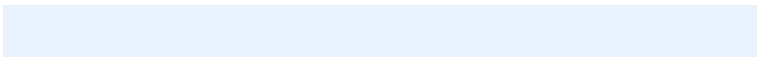
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 7.522, 199.003



98, 8.687, 198.920



95, 6.634, 254.774



52, 4.945, 198.950



70, 40.369, 196.364



24, 18.571, 196.367

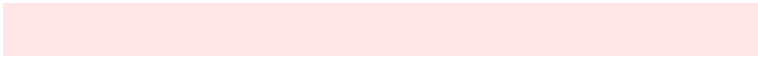


# Inverse Universe

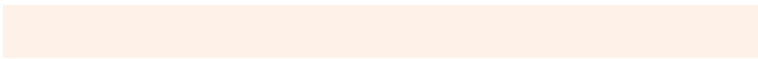
The Inverse Universe completely reimagines the original color for something new.



94, 7.948, 19.864



93, 9.259, 19.971



96, 6.783, 72.481



49, 5.254, 19.932



40, 84.223, 39.994

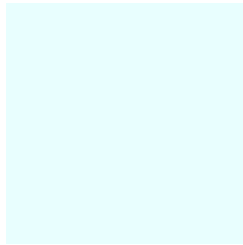


10, 33.366, 27.171



# Previews

## White Background



This preview shows how the CIELCh color 98, 7.521, 199.018 looks on a white background.

## Color Contrast Check

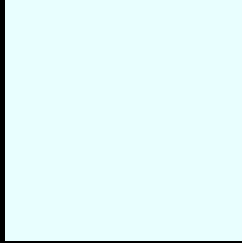
Large Text (above 18pt) WCAG AA × Fail

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, 7.521, 199.018 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

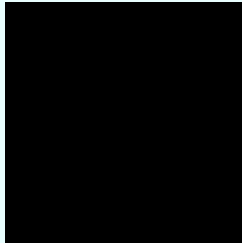
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 98, 7.521, 199.018

## Background



This preview shows how black text looks on a background with the CIELCh color 98, 7.521, 199.018.

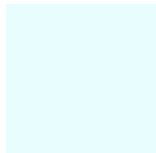


This preview shows how white text looks on a background with the CIELCh color 98, 7.521, 199.018.

# 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, 7.526, 199.016



### Protanopia

98, 2.047, 349.333

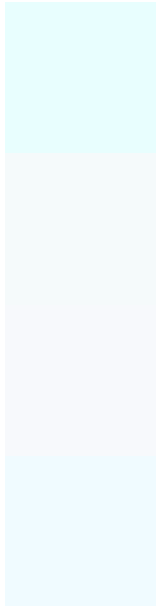
### Deuteranopia

98, 3.497, 343.770



**Tritanopia**  
98, 3.064, 256.053

# Trichromacy



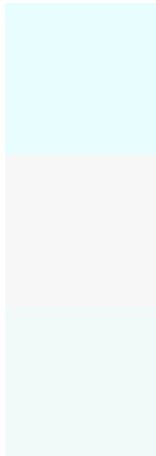
**Original Color**  
98, 7.526, 199.016

**Protanomaly**  
98, 1.808, 216.065

**Deuteranomaly**  
98, 1.681, 265.875

**Tritanomaly**  
98, 4.270, 227.932

# Monochromacy



**Original Color**  
98, 7.526, 199.016

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
97, 2.782, 199.459

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 98, 7.521, 199.018 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(232, 254, 254)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 254, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 254, 254) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 7.521, 199.018 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(232, 254, 254) }
```

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

```
.border{ border-color:rgb(232, 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(232, 254, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 254, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 254, 254);  
box-shadow:4px 4px 4px 4px rgb(232, 254,  
254) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 7.521, 199.018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 254, 254) }
```

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

```
.background{ background-color: rgb(232,  
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