

# Converting Colors

CIELCh(100, 12.071, 218.474)

Have a look what the booklet for  
CIELCh(100, 12.071, 218.474)  
contains.

<b>CIELCh(98, 9.514, 198.874)</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, 9.514, 198.874)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3FFFF
RGB	227, 255, 255
RGB Percent	89%, 100%, 100%
CMY	0.1105, 0.0007, 0.0007
CMYK	0.11, 0.00, 0.00, 0.00
HSL	180°, 99%, 94%
HSV	180°, 11%, 100%
XYZ	85.3469, 94.9163, 108.2788
YIQ	246.6280, -16.6880, -5.9360

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 241, 255
Decimal	14942207
CIE <sub>Lab</sub>	98.00, -9.00, -3.08
CIE <sub>LCh</sub>	98, 9.514, 198.874
Y <sub>xy</sub>	94.9163, 0.2958, 0.3290
Android (android.graphics.Color)	4293132287 (0xFFE3FFFF)
YUV	246.6280, 4.1274, -17.2138
Hunter-Lab	97.4250, -14.1229, 2.3021

# Details

The CIELCh color **98, 9.514, 198.874** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **92, 10.208, 20.052**, 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, 9.557, 198.734** is the 20% darker color. If you saturate the color by 10%, you get **96, 17.639, 198.325**, and if you desaturate by 10%, it is **100, 0.875, 200.096**.

# Distribution



- Red (89%)
- Green (100%)
- Blue (100%)



- Red (89%)
- Yellow (95%)
- Blue (100%)



- Cyan (11%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 9.514, 198.874 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, 9.514, 198.874 by changing the saturation by 10% instead.



 98, 9.514, 198.874

 98, 9.514, 198.874

 100, 9.514,  
198.874

 88, 9.514, 198.874

 78, 9.514, 198.874

 68, 9.514, 198.874

 58, 9.514, 198.874

 48, 9.514, 198.874

 38, 9.514, 198.874

 28, 9.514, 198.874

 18, 9.514, 198.874

 8, 9.514, 198.874

98, 9.514, 198.874

98, 9.514, 198.874

96, 17.639,  
198.325

100, 0.875,  
200.096

95, 25.101,  
197.857

100, 0.064, 7.548

100, 0.064, 6.082

94, 31.757,  
197.450

100, 0.064, 4.635

93, 37.470,  
197.107

100, 0.065, 3.208

92, 42.136,  
196.832

100, 0.065, 1.803

100, 0.066, 0.419


92, 45.690,  
196.624

100, 0.067,  
359.060

91, 48.131,  
196.482

100, 0.067,  
357.725

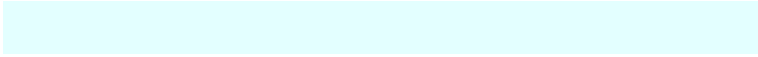
91, 49.532,  
196.400

 91, 50.094,  
196.366

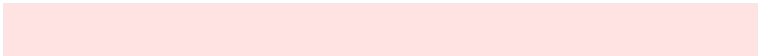
# Harmonies

# Complementary

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



98, 9.514, 198.874



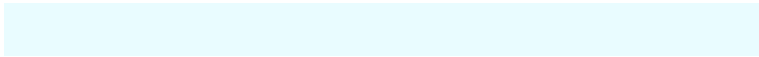
92, 10.208, 20.052

# Rectangle

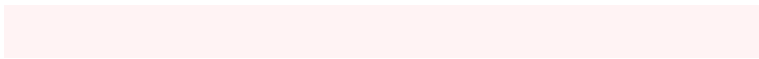
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



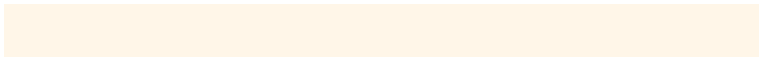
98, 9.514, 198.874



98, 9.514, 248.874



98, 9.514, 18.874



98, 9.514, 68.874

# Sweetspot

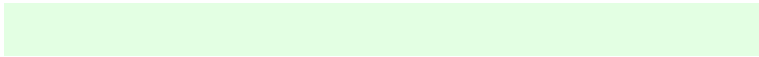
The Sweet Spot groups the original color and five complimentary colors.



98, 9.515, 198.862



99, 2.650, 199.476



97, 17.390, 143.369



53, 2.005, 199.379



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

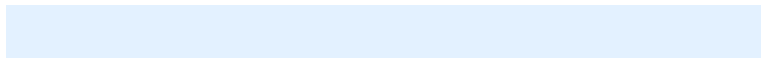
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 9.515, 198.862



98, 11.202, 198.747



95, 8.428, 255.088



52, 4.945, 198.952



70, 40.369, 196.366



24, 18.571, 196.369



# Inverse Universe

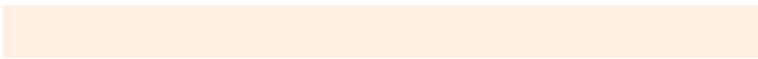
The Inverse Universe completely reimagines the original color for something new.



92, 10.208, 20.052



91, 12.182, 20.217



96, 8.683, 72.213



49, 5.254, 19.933



40, 84.224, 39.995



10, 33.366, 27.171



# Previews

## White Background



This preview shows how the CIELCh color 98, 9.514, 198.874 looks on a white background.

## Color Contrast Check

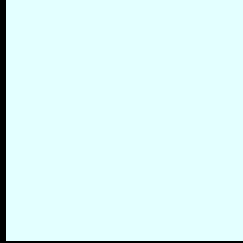
Large Text (above 18pt) WCAG AA × Fail

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, 9.514, 198.874 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

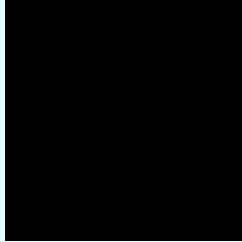
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

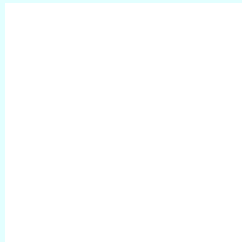
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 98, 9.514, 198.874

## Background



This preview shows how black text looks on a background with the CIELCh color 98, 9.514, 198.874.



This preview shows how white text looks on a background with the CIELCh color 98, 9.514, 198.874.

# 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, 9.514, 198.874



### Protanopia

98, 2.348, 338.592

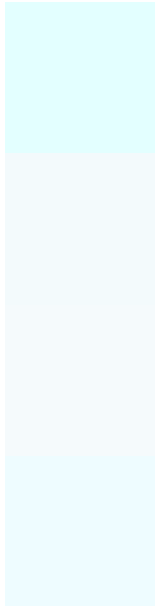
### Deuteranopia

98, 3.497, 343.770



**Tritanopia**  
98, 3.265, 251.001

# Trichromacy



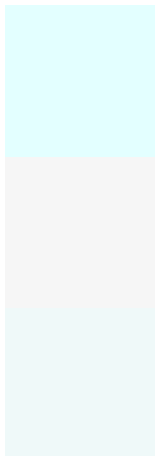
**Original Color**  
98, 9.514, 198.874

**Protanomaly**  
98, 2.621, 222.452

**Deuteranomaly**  
98, 2.005, 230.268

**Tritanomaly**  
98, 5.020, 217.019

# Monochromacy



**Original Color**  
98, 9.514, 198.874

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
97, 3.472, 199.368

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 98, 9.514, 198.874 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(227, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 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(227, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 9.514, 198.874 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(227, 255, 255) }
```

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

```
.border{ border-color:rgb(227, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 9.514, 198.874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 255) }
```

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

```
.background{ background-color: rgb(227,  
255, 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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