

# Converting Colors

CIELCh(99, 9.984, 198.611)

Have a look what the booklet for  
CIELCh(99, 9.984, 198.611) contains.

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# Color

**CIELCh(98, 8.853, 198.921)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4FEFE
RGB	228, 254, 254
RGB Percent	89%, 100%, 100%
CMY	0.1041, 0.0022, 0.0022
CMYK	0.10, 0.00, 0.00, 0.00
HSL	180°, 96%, 95%
HSV	180°, 10%, 100%
XYZ	85.6806, 94.9163, 107.9424
YIQ	246.2260, -15.4960, -5.5120

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 241, 254
Decimal	15007486
CIE Lab	98.00, -8.37, -2.87
CIE LCh	98, 8.853, 198.921
Yxy	94.9163, 0.2969, 0.3290
Android (android.graphics.Color)	4293197566 (0xFFE4FEFE)
YUV	246.2260, 3.8326, -15.9842
Hunter-Lab	97.4250, -13.5115, 2.5069

# Details

The CIELCh color **98, 8.853, 198.921** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **93, 9.451, 19.990**, 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, 8.881, 198.786** is the 20% darker color. If you saturate the color by 10%, you get **96, 17.013, 198.364**, and if you desaturate by 10%, it is **100, 0.191, 202.856**.

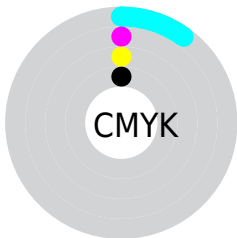
# Distribution



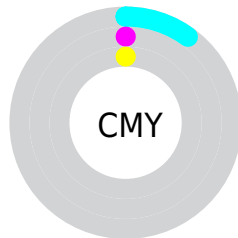
- Red (89%)
- Green (100%)
- Blue (100%)



- Red (89%)
- 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, 8.853, 198.921 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, 8.853, 198.921 by changing the saturation by 10% instead.



98, 8.853, 198.921

98, 8.853, 198.921

100, 8.853,  
198.921

88, 8.853, 198.921

78, 8.853, 198.921

68, 8.853, 198.921

58, 8.853, 198.921

48, 8.853, 198.921

38, 8.853, 198.921

28, 8.853, 198.921

18, 8.853, 198.921

8, 8.853, 198.921

98, 8.853, 198.921

98, 8.853, 198.921

96, 17.013,  
198.364

100, 0.191,  
202.856

95, 24.523,  
197.891

100, 0.195, 15.543

100, 0.195, 15.056

94, 31.238,  
197.479

100, 0.195, 14.569

93, 37.022,  
197.132

100, 0.195, 14.084

92, 41.766,  
196.851

100, 0.196, 13.599

100, 0.196, 13.115


92, 45.402,  
196.638

100, 0.196, 12.632

91, 47.925,  
196.491

100, 0.196, 12.151

91, 49.401,  
196.404

 91, 50.037,  
196.366

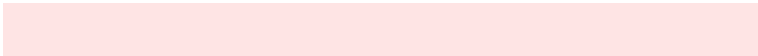
# Harmonies

# Complementary

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



98, 8.853, 198.921



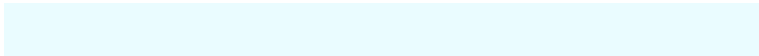
93, 9.451, 19.990

# Rectangle

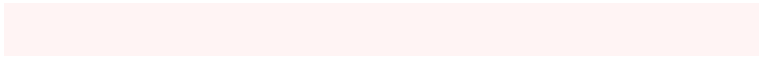
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



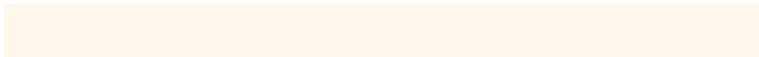
98, 8.853, 198.921



98, 8.853, 248.921



98, 8.853, 18.921



98, 8.853, 68.921

# Sweetspot

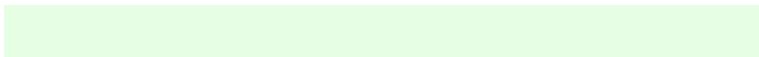
The Sweet Spot groups the original color and five complimentary colors.



98, 8.854, 198.908



99, 2.650, 199.476



97, 16.141, 143.420



53, 2.005, 199.379



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

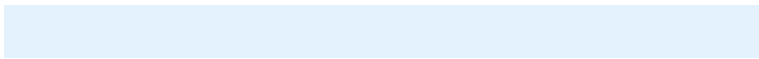
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 8.854, 198.908



98, 10.369, 198.804



95, 7.831, 254.981



52, 4.945, 198.952



70, 40.369, 196.367



24, 18.571, 196.369



# Inverse Universe

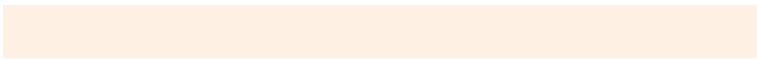
The Inverse Universe completely reimagines the original color for something new.



93, 9.451, 19.990



92, 11.200, 20.135



96, 8.048, 72.303



49, 5.254, 19.933



40, 84.224, 39.995

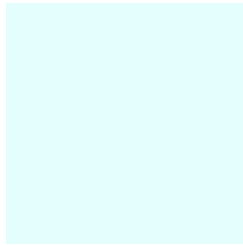


10, 33.366, 27.171



# Previews

## White Background



This preview shows how the CIELCh color 98, 8.853, 198.921 looks on a white background.

## Color Contrast Check

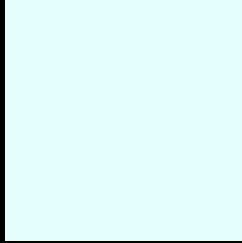
Large Text (above 18pt) WCAG AA × Fail

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, 8.853, 198.921 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

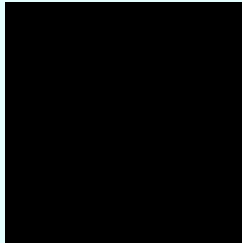
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 98, 8.853, 198.921

## Background



This preview shows how black text looks on a background with the CIELCh color 98, 8.853, 198.921.

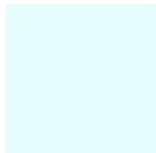


This preview shows how white text looks on a background with the CIELCh color 98, 8.853, 198.921.

# Color Blindness Simulation

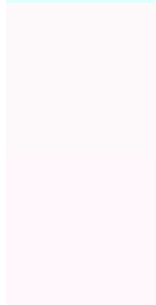
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

98, 8.859, 198.918



### Protanopia

98, 2.047, 349.333

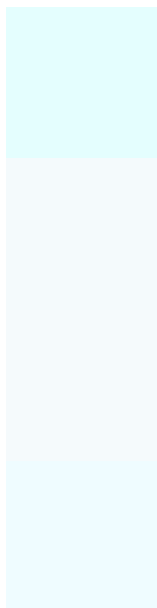
### Deuteranopia

98, 3.497, 343.770



**Tritanopia**  
98, 3.064, 256.053

# Trichromacy



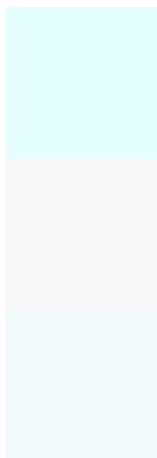
**Original Color**  
98, 8.859, 198.918

**Protanomaly**  
98, 2.308, 225.838

**Deuteranomaly**  
98, 2.005, 230.268

**Tritanomaly**  
98, 4.699, 218.306

# Monochromacy



**Original Color**  
98, 8.859, 198.918

**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, 8.853, 198.921 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(228, 254, 254)` looks like.

```
.text, #text, p{  
    color:rgb(228, 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(228, 254, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 254, 254) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 8.853, 198.921 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(228, 254, 254) }
```

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

```
.border{ border-color:rgb(228, 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(228, 254, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 254, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 254, 254);  
box-shadow:4px 4px 4px 4px rgb(228, 254,  
254) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 8.853, 198.921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 254, 254) }
```

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

```
.background{ background-color: rgb(228,  
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](#).

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