

# Converting Colors

CIELCh(98, 6.495, 203.072)

Have a look what the booklet for  
CIELCh(98, 6.495, 203.072) contains.

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# Color

**CIELCh(98, 6.523, 203.591)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAFDFE
RGB	234, 253, 254
RGB Percent	92%, 99%, 100%
CMY	0.0823, 0.0077, 0.0038
CMYK	0.08, 0.00, 0.00, 0.00
HSL	183°, 91%, 96%
HSV	183°, 8%, 100%
XYZ	86.9624, 94.9163, 107.5205
YIQ	247.4330, -11.6450, -3.7170

# Conversions

## Conversions Part 2

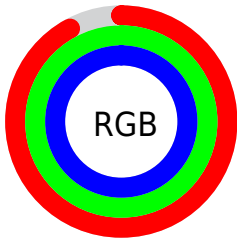
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	234, 244, 254
Decimal	15400446
CIE <sub>Lab</sub>	98.00, -5.98, -2.61
CIE <sub>LCh</sub>	98, 6.523, 203.591
Y <sub>xy</sub>	94.9163, 0.3005, 0.3280
Android (android.graphics.Color)	4293590526 (0xFFEAFDFE)
YUV	247.4330, 3.2375, -11.7807
Hunter-Lab	97.4250, -11.1630, 2.7636

# Details

The CIELCh color **98, 6.523, 203.591** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95, 6.864, 24.034**, 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, 6.456, 203.769** is the 20% darker color. If you saturate the color by 10%, you get **96, 14.393, 203.192**, and if you desaturate by 10%, it is **100, 0.277, 46.231**.

# Distribution



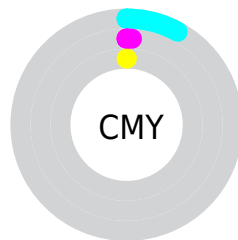
- Red (92%)
- Green (99%)
- Blue (100%)



- Red (92%)
- Yellow (96%)
- Blue (100%)



- Cyan (8%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (1%)
- Yellow (0%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 6.523, 203.591 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, 6.523, 203.591 by changing the saturation by 10% instead.



 98, 6.523, 203.591

 98, 6.523, 203.591

 100, 6.523,  
203.591

 88, 6.523, 203.591

 78, 6.523, 203.591

 68, 6.523, 203.591

 58, 6.523, 203.591

 48, 6.523, 203.591

 38, 6.523, 203.591

 28, 6.523, 203.591

 18, 6.523, 203.591

 8, 6.523, 203.591

98, 6.523, 203.591

98, 6.523, 203.591

96, 14.393,  
203.192

100, 0.277, 46.231

94, 21.670,  
202.925

100, 0.484,  
109.982

93, 28.215,  
202.757

91, 33.892,  
202.701

90, 38.580,  
202.774

89, 42.194,  
202.992

88, 44.703,  
203.371

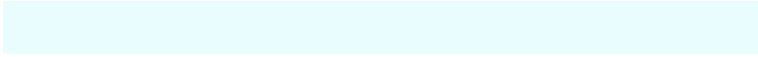
88, 46.145,  
203.926

■ 87, 46.659,  
204.656

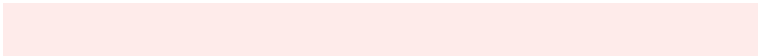
# Harmonies

# Complementary

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



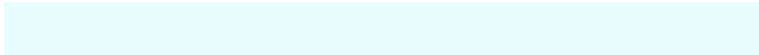
98, 6.523, 203.591



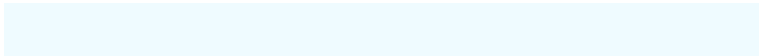
95, 6.864, 24.034

# Rectangle

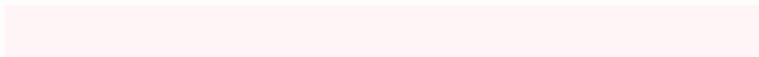
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



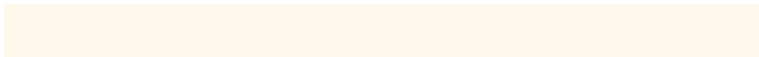
98, 6.523, 203.591



98, 6.523, 253.591



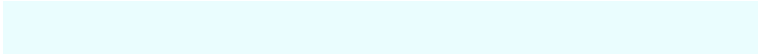
98, 6.523, 23.591



98, 6.523, 73.591

# Sweetspot

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



98, 6.524, 203.573



100, 1.686, 204.086



98, 12.190, 144.901



53, 0.959, 204.111



0, 0.000, 0.000



53, 0.007, 296.813



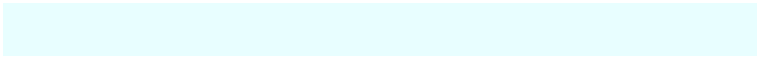


# Same Dimension

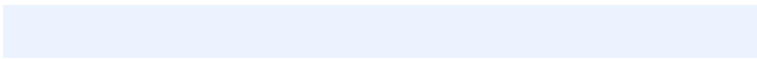
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 6.524, 203.573



98, 7.459, 203.520



96, 6.287, 260.046



52, 4.706, 203.498



67, 37.771, 204.671



23, 17.503, 203.609



# Inverse Universe

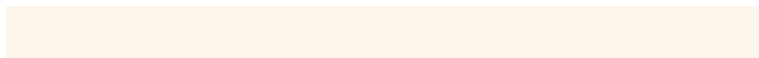
The Inverse Universe completely reimagines the original color for something new.



95, 12.076, 326.221



94, 13.855, 326.288



97, 6.372, 77.889



50, 8.755, 326.318



45, 89.510, 330.322

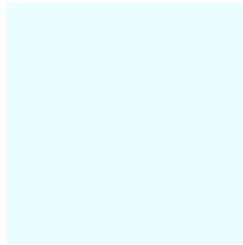


12, 41.373, 330.059



# Previews

## White Background



This preview shows how the CIELCh color 98, 6.523, 203.591 looks on a white background.

## Color Contrast Check

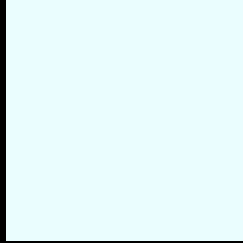
Large Text (above 18pt) WCAG AA × Fail

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, 6.523, 203.591 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

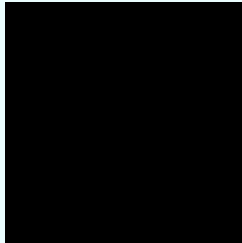
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 98, 6.523, 203.591**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 98, 6.523, 203.591.

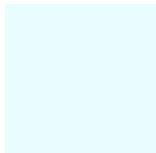


This preview shows how white text looks on a background with the CIELCh color 98, 6.523, 203.591.

# 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, 6.523, 203.591



### Protanopia

98, 2.348, 338.592

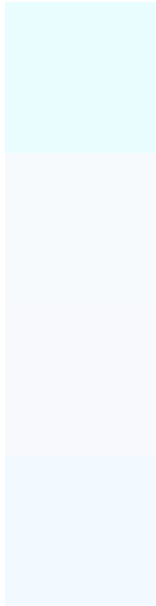
### Deuteranopia

98, 3.497, 343.770



**Tritanopia**  
98, 3.225, 271.658

# Trichromacy



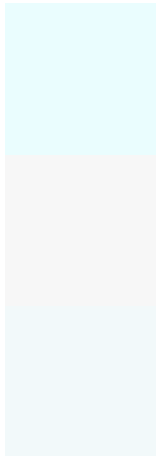
**Original Color**  
98, 6.523, 203.591

**Protanomaly**  
98, 1.717, 236.229

**Deuteranomaly**  
98, 1.681, 265.875

**Tritanomaly**  
98, 3.729, 242.696

# Monochromacy



**Original Color**  
98, 6.523, 203.591

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
97, 2.480, 211.409

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 98, 6.523, 203.591 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(234, 253, 254)` looks like.

```
.text, #text, p{  
    color:rgb(234, 253, 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(234, 253, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 253, 254) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 6.523, 203.591 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(234, 253, 254) }
```

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

```
.border{ border-color:rgb(234, 253, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 253, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 253, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 253, 254);  
box-shadow:4px 4px 4px 4px rgb(234, 253,  
254) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 6.523, 203.591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 253, 254) }
```

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

```
.background{ background-color: rgb(234,  
253, 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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