

# Converting Colors

CIELCh(100, 31.196, 282.207)

Have a look what the booklet for  
CIELCh(100, 31.196, 282.207)  
contains.

<b>CIELCh(98, 6.183, 203.862)</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, 6.183, 203.862)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBFD FE
RGB	235, 253, 254
RGB Percent	92%, 99%, 100%
CMY	0.0791, 0.0085, 0.0046
CMYK	0.07, 0.00, 0.00, 0.00
HSL	183°, 89%, 96%
HSV	183°, 7%, 100%
XYZ	87.1363, 94.9163, 107.3436
YIQ	247.7320, -11.0490, -3.5050

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 244, 254
Decimal	15465982
CIE Lab	98.00, -5.65, -2.50
CIE LCh	98, 6.183, 203.862
Yxy	94.9163, 0.3011, 0.3280
Android (android.graphics.Color)	4293656062 (0xFFEBDFDE)
YUV	247.7320, 3.0901, -11.1660
Hunter-Lab	97.4250, -10.8443, 2.8713

# Details

The CIELCh color **98, 6.183, 203.862** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95, 6.489, 24.244**, 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, 6.108, 204.072** is the 20% darker color. If you saturate the color by 10%, you get **96, 14.048, 203.465**, and if you desaturate by 10%, it is **100, 0.334, 47.823**.

# Distribution



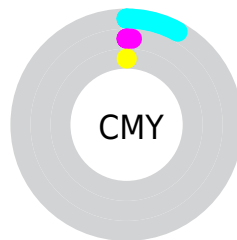
- Red (92%)
- Green (99%)
- Blue (100%)



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



- Cyan (7%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



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

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 6.183, 203.862 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, 6.183, 203.862 by changing the saturation by 10% instead.



 98, 6.183, 203.862

 98, 6.183, 203.862

 100, 6.183,  
203.862

 88, 6.183, 203.862

 78, 6.183, 203.862

 68, 6.183, 203.862

 58, 6.183, 203.862

 48, 6.183, 203.862

 38, 6.183, 203.862

 28, 6.183, 203.862

 18, 6.183, 203.862

 8, 6.183, 203.862

98, 6.183, 203.862

98, 6.183, 203.862

96, 14.048,  
203.465

100, 0.334, 47.823

94, 21.328,  
203.208

100, 0.586,  
110.002

93, 27.884,  
203.051

91, 33.578,  
203.007

90, 38.290,  
203.095

89, 41.933,  
203.333

88, 44.473,  
203.738

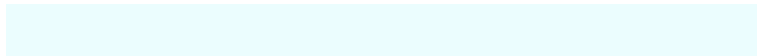
88, 45.944,  
204.324

■ 87, 46.478,  
205.095

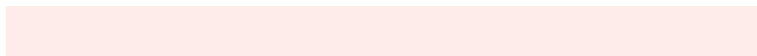
# Harmonies

# Complementary

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



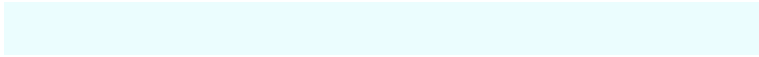
98, 6.183, 203.862



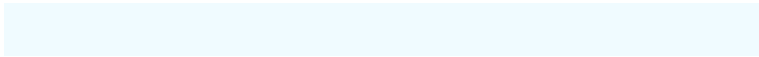
95, 6.489, 24.244

# Rectangle

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



98, 6.183, 203.862



98, 6.183, 253.862



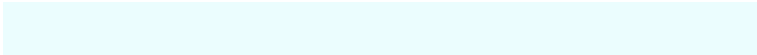
98, 6.183, 23.862



98, 6.183, 73.862

# Sweetspot

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



98, 6.184, 203.843



100, 1.681, 204.332



98, 11.437, 145.391



53, 0.956, 204.356



0, 0.000, 0.000



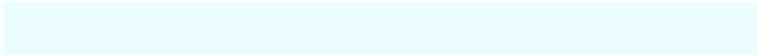
53, 0.007, 296.813





# Same Dimension

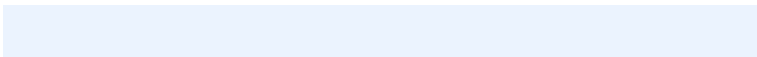
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 6.184, 203.843



98, 7.440, 203.772



96, 6.059, 261.688



52, 4.694, 203.751



67, 37.653, 205.143



22, 17.453, 204.017



# Inverse Universe

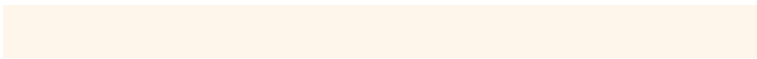
The Inverse Universe completely reimagines the original color for something new.



95, 11.440, 326.272



94, 13.830, 326.364



97, 6.123, 79.623



50, 8.739, 326.394



45, 89.324, 330.439

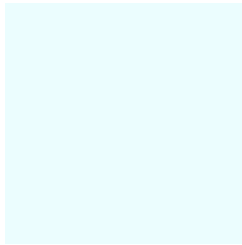


12, 41.298, 330.160



# Previews

## White Background



This preview shows how the CIELCh color 98, 6.183, 203.862 looks on a white background.

## Color Contrast Check

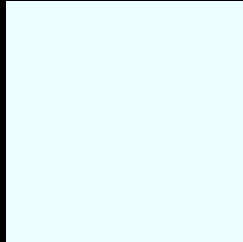
Large Text (above 18pt) WCAG AA × Fail

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, 6.183, 203.862 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

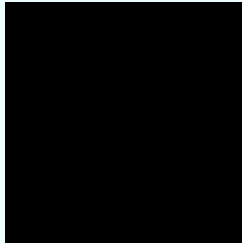
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 98, 6.183, 203.862**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 98, 6.183, 203.862.

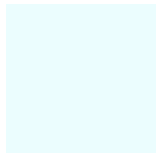


This preview shows how white text looks on a background with the CIELCh color 98, 6.183, 203.862.

# 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, 6.187, 203.861



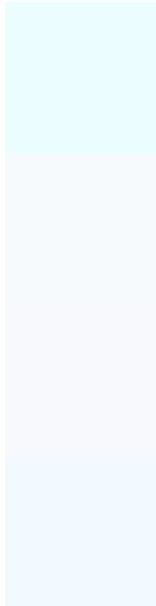
**Protanopia**  
98, 2.348, 338.592

**Deuteranopia**  
98, 3.497, 343.770



**Tritanopia**  
98, 3.225, 271.658

# Trichromacy



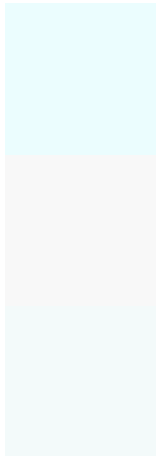
**Original Color**  
98, 6.187, 203.861

**Protanomaly**  
98, 1.717, 236.229

**Deuteranomaly**  
98, 1.574, 277.558

**Tritanomaly**  
98, 3.729, 242.696

# Monochromacy



**Original Color**  
98, 6.187, 203.861

**Achromatopsia**  
98, 0.011, 296.813

**Achromatomaly**  
98, 2.435, 199.517

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 98, 6.183, 203.862 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(235, 253, 254)` looks like.

```
.text, #text, p{  
    color:rgb(235, 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(235, 253, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 253, 254) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 6.183, 203.862 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(235, 253, 254) }
```

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

```
.border{ border-color:rgb(235, 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(235, 253, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 253, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 253, 254);  
box-shadow:4px 4px 4px 4px rgb(235, 253,  
254) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 6.183, 203.862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 253, 254) }
```

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

```
.background{ background-color: rgb(235,  
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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