

# Converting Colors

CIELCh(98, 3.883, 109.864)

Have a look what the booklet for  
CIELCh(98, 3.883, 109.864) contains.

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# **Color**

**CIELCh(98, 4.061, 109.851)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAF2F2
RGB	250, 250, 242
RGB Percent	98%, 98%, 95%
CMY	0.0205, 0.0204, 0.0518
CMYK	0.00, 0.00, 0.03, 0.02
HSL	60°, 43%, 96%
HSV	60°, 3%, 98%
XYZ	89.4576, 94.9163, 97.4388
YIQ	249.0880, 2.5680, -2.4880

# Conversions

## Conversions Part 2

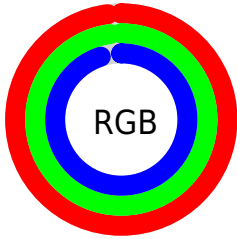
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 250, 242
Decimal	16448242
CIE Lab	98.00, -1.38, 3.82
CIE LCh	98, 4.061, 109.851
Yxy	94.9163, 0.3174, 0.3368
Android (android.graphics.Color)	4294638322 (0xFFFAFAF2)
YUV	249.0880, -3.4944, 0.7998
Hunter-Lab	97.4250, -6.5913, 8.8991

# Details

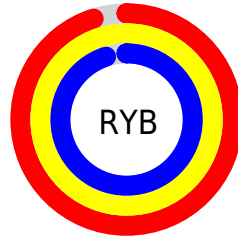
The CIELCh color **98, 4.061, 109.851** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **96, 4.113, 290.534**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **78, 4.261, 109.772** is the 20% darker color. If you saturate the color by 10%, you get **97, 16.746, 108.915**, and if you desaturate by 10%, it is **98, 2.667, 290.478**.

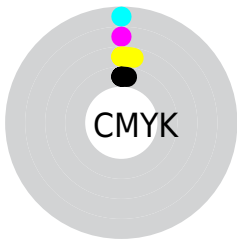
# Distribution



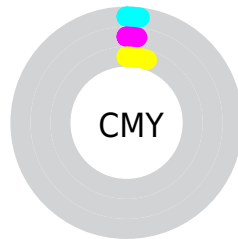
- Red (98%)
- Green (98%)
- Blue (95%)



- Red (95%)
- Yellow (98%)
- Blue (95%)



- Cyan (0%)
- Magenta (0%)
- Yellow (3%)
- Black (2%)



- Cyan (2%)
- Magenta (2%)
- Yellow (5%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 4.061, 109.851 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, 4.061, 109.851 by changing the saturation by 10% instead.



 98, 4.061, 109.851

 98, 4.061, 109.851

 100, 4.061,  
109.851

 88, 4.061, 109.851

 78, 4.061, 109.851

 68, 4.061, 109.851


 58, 4.061, 109.851

 48, 4.061, 109.851

 38, 4.061, 109.851

 28, 4.061, 109.851

 18, 4.061, 109.851

 8, 4.061, 109.851

98, 4.061, 109.851

98, 4.061, 109.851

97, 16.746,  
108.915

98, 2.667, 290.478

97, 29.318,  
107.938

98, 2.667, 290.583

97, 41.671,  
106.971

98, 2.667, 290.689

96, 53.632,  
106.034

98, 2.667, 290.899

96, 64.939,  
105.158

98, 2.668, 291.005

96, 75.196,  
104.374

98, 2.668, 291.110

96, 83.862,  
103.725

98, 2.668, 291.320

95, 90.322,  
103.251

■ 95, 94.125,  
102.978

# Harmonies

# Complementary

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



98, 4.061, 109.851



96, 4.113, 290.534

# Rectangle

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



98, 4.061, 109.851



98, 4.061, 159.851



98, 4.061, 289.851



98, 4.061, 339.851

# Sweetspot

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



98, 4.063, 109.874



100, 1.282, 110.044



96, 2.840, 19.370



53, 0.729, 110.046



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, 4.063, 109.874



100, 5.161, 109.800



98, 4.321, 128.961



52, 3.608, 109.730



74, 77.279, 102.887



25, 34.379, 103.106



# Inverse Universe

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



96, 4.113, 290.534



97, 5.227, 290.612



96, 4.360, 309.177



50, 3.658, 290.686



23, 106.706, 306.289

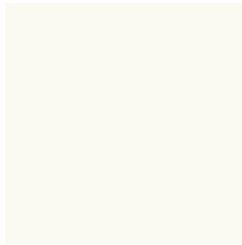


3, 42.027, 300.819



# Previews

## White Background



This preview shows how the CIELCh color 98, 4.061, 109.851 looks on a white background.

## Color Contrast Check

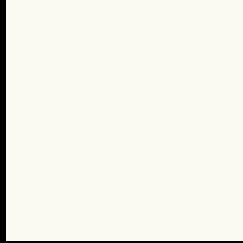
Large Text (above 18pt) WCAG AA × Fail

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, 4.061, 109.851 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

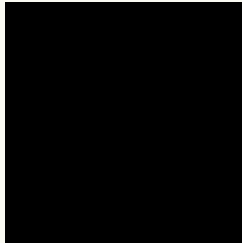
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

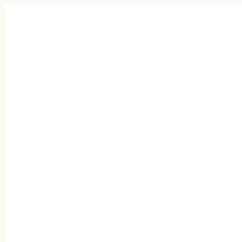
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 98, 4.061, 109.851**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 98, 4.061, 109.851.

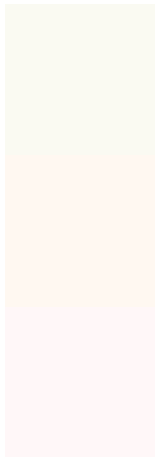


This preview shows how white text looks on a background with the CIELCh color 98, 4.061, 109.851.

# 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, 4.061, 109.851

### Protanopia

98, 4.327, 74.647

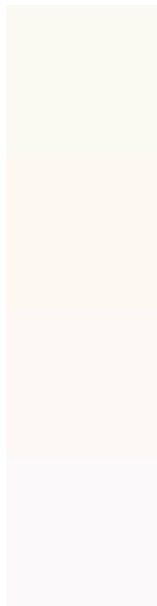
### Deuteranopia

98, 2.876, 9.172



**Tritanopia**  
98, 3.744, 306.635

# Trichromacy



**Original Color**  
98, 4.061, 109.851

**Protanomaly**  
98, 4.292, 90.470

**Deuteranomaly**  
98, 2.025, 49.322

**Tritanomaly**  
98, 0.880, 343.170

# Monochromacy



**Original Color**  
98, 4.061, 109.851

**Achromatopsia**  
98, 0.011, 296.813

**Achromatomaly**  
98, 1.517, 110.012

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 98, 4.061, 109.851 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(250, 250, 242)` looks like.

```
.text, #text, p{  
    color:rgb(250, 250, 242)  
}
```

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(250, 250, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 250, 242) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 4.061, 109.851 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(250, 250, 242) }
```

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

```
.border{ border-color:rgb(250, 250, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 250, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 250, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 250, 242);  
box-shadow:4px 4px 4px 4px rgb(250, 250,  
242) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 4.061, 109.851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 250, 242) }
```

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

```
.background{ background-color: rgb(250,  
250, 242) }
```

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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