

# Converting Colors

CIELCh(98, 4.335, 106.336)

Have a look what the booklet for  
CIELCh(98, 4.335, 106.336) contains.

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# **Color**

**CIELCh(98, 4.570, 109.815)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAFAF1
RGB	250, 250, 241
RGB Percent	98%, 98%, 95%
CMY	0.0202, 0.0202, 0.0555
CMYK	0.00, 0.00, 0.04, 0.02
HSL	60°, 47%, 96%
HSV	60°, 4%, 98%
XYZ	89.3645, 94.9163, 96.7130
YIQ	248.9740, 2.8890, -2.7990

# Conversions

## Conversions Part 2

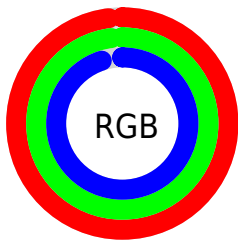
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	241, 250, 241
Decimal	16448241
CIE Lab	98.00, -1.55, 4.30
CIE LCh	98, 4.570, 109.815
Yxy	94.9163, 0.3180, 0.3378
Android (android.graphics.Color)	4294638321 (0xFFFAFAF1)
YUV	248.9740, -3.9312, 0.8998
Hunter-Lab	97.4250, -6.7620, 9.3408

# Details

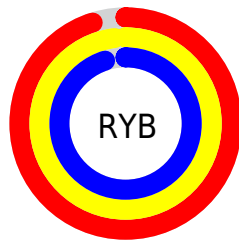
The CIELCh color 98, 4.570, 109.815 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 95, 4.629, 290.571, and the grayscale version is 98, 0.011, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 78, 4.795, 109.724 is the 20% darker color. If you saturate the color by 10%, you get 97, 17.255, 108.874, and if you desaturate by 10%, it is 98, 2.632, 290.467.

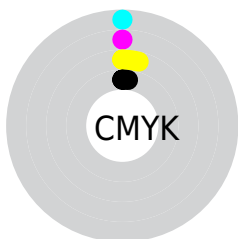
# Distribution



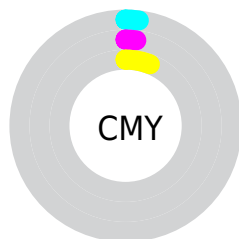
- Red (98%)
- Green (98%)
- Blue (95%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (4%)
- Black (2%)



- Cyan (2%)
- Magenta (2%)
- Yellow (6%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 4.570, 109.815 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, 4.570, 109.815 by changing the saturation by 10% instead.



 98, 4.570, 109.815

 98, 4.570, 109.815

 100, 4.570,  
109.815

 88, 4.570, 109.815

 78, 4.570, 109.815

 68, 4.570, 109.815

 58, 4.570, 109.815

 48, 4.570, 109.815

 38, 4.570, 109.815

 28, 4.570, 109.815

 18, 4.570, 109.815

 8, 4.570, 109.815

98, 4.570, 109.815

98, 4.570, 109.815

97, 17.255,  
108.874

98, 2.632, 290.467

97, 29.824,  
107.897

98, 2.632, 290.565

97, 42.167,  
106.930

98, 2.632, 290.663

96, 54.111,  
105.996

98, 2.632, 290.859

96, 65.387,  
105.122

98, 2.632, 290.957


96, 75.593,  
104.343

98, 2.632, 291.153

96, 84.184,  
103.700

98, 2.632, 291.252

95, 90.546,  
103.234

 95, 94.241,  
102.968

# Harmonies

# Complementary

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



98, 4.570, 109.815



95, 4.629, 290.571

# Rectangle

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



98, 4.570, 109.815



98, 4.570, 159.815



98, 4.570, 289.815



98, 4.570, 339.815

# Sweetspot

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



98, 4.572, 109.835



100, 1.282, 110.043



96, 3.200, 19.421



53, 0.729, 110.044



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, 4.572, 109.835



100, 5.161, 109.798



98, 4.863, 128.940



52, 3.608, 109.729



74, 77.279, 102.884



25, 34.379, 103.103



# Inverse Universe

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



95, 4.629, 290.571



97, 5.227, 290.610



96, 4.907, 309.198



50, 3.658, 290.684



23, 106.706, 306.289

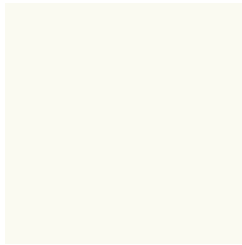


3, 42.027, 300.818



# Previews

## White Background



This preview shows how the CIE LCh color 98, 4.570, 109.815 looks on a white background.

## Color Contrast Check

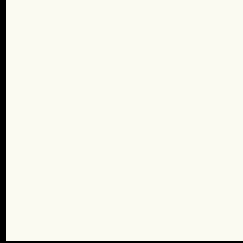
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 98, 4.570, 109.815 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

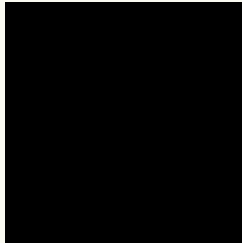
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

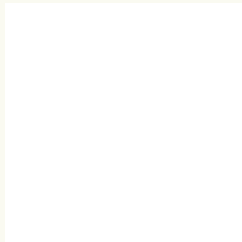
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 98, 4.570, 109.815

## Background



This preview shows how black text looks on a background with the CIELCh color 98, 4.570, 109.815.

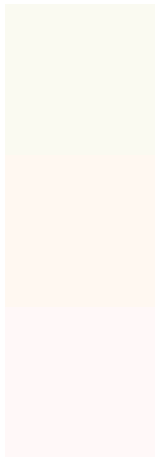


This preview shows how white text looks on a background with the CIELCh color 98, 4.570, 109.815.

# 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, 4.570, 109.815

### Protanopia

98, 4.327, 74.647

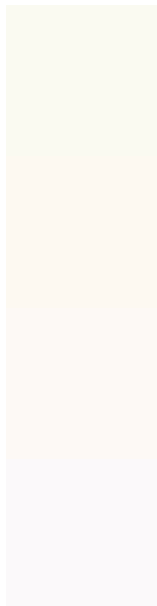
### Deuteranopia

98, 2.470, 19.304



**Tritanopia**  
98, 3.744, 306.635

# Trichromacy



**Original Color**  
98, 4.570, 109.815

**Protanomaly**  
98, 4.292, 90.470

**Deuteranomaly**  
98, 2.459, 74.856

**Tritanomaly**  
98, 0.880, 343.170

# Monochromacy



**Original Color**  
98, 4.570, 109.815

**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, 4.570, 109.815 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, 241)` looks like.

```
.text, #text, p{  
    color:rgb(250, 250, 241)  
}
```

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, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 250, 241) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 4.570, 109.815 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, 241) }
```

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

```
.border{ border-color:rgb(250, 250, 241) }
```

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, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 250, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 250, 241);  
box-shadow:4px 4px 4px 4px rgb(250, 250,  
241) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 4.570, 109.815 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, 241) }
```

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

```
.background{ background-color: rgb(250,  
250, 241) }
```

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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