

# Converting Colors

CIELCh(100, 9.739, 34.705)

Have a look what the booklet for  
CIELCh(100, 9.739, 34.705) contains.

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# **Color**

**CIELCh(98, 2.923, 63.312)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEF8F4
RGB	254, 248, 244
RGB Percent	100%, 97%, 96%
CMY	0.0031, 0.0266, 0.0423
CMYK	0.00, 0.02, 0.04, 0.00
HSL	24°, 86%, 98%
HSV	24°, 4%, 100%
XYZ	90.9401, 94.9163, 99.2826
YIQ	249.3380, 4.8600, 0.0280

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	254, 251, 244
Decimal	16709876
CIE <sub>Lab</sub>	98.00, 1.31, 2.61
CIE <sub>LCh</sub>	98, 2.923, 63.312
Yxy	94.9163, 0.3189, 0.3329
Android (android.graphics.Color)	4294899956 (0xFFFEF8F4)
YUV	249.3380, -2.6316, 4.0886
Hunter-Lab	97.4250, -3.8752, 7.7770

# Details

The CIELCh color **98, 2.923, 63.312** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **98, 2.890, 244.550**, 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, 2.817, 68.519** is the 20% darker color. If you saturate the color by 10%, you get **94, 10.701, 62.473**, and if you desaturate by 10%, it is **100, 0.276, 201.793**.

# Distribution



Red (100%)

Green (97%)

Blue (96%)



Red (100%)

Yellow (98%)

Blue (96%)



Cyan (0%)

Magenta (2%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (3%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 98, 2.923, 63.312 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, 2.923, 63.312 by changing the saturation by 10% instead.



 98, 2.923, 63.312

 98, 2.923, 63.312

 100, 2.923, 63.312

 88, 2.923, 63.312

 78, 2.923, 63.312

 68, 2.923, 63.312

 58, 2.923, 63.312

 48, 2.923, 63.312

 38, 2.923, 63.312

 28, 2.923, 63.312

 18, 2.923, 63.312

 8, 2.923, 63.312

98, 2.923, 63.312

98, 2.923, 63.312

94, 10.701, 62.473

100, 0.276,  
201.793

89, 18.984, 61.487

85, 27.814, 60.519

81, 37.213, 59.588

77, 47.159, 58.698

73, 57.535, 57.826

70, 68.036, 56.894

67, 77.976, 55.705

64, 86.086, 53.861

# Harmonies

# Complementary

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



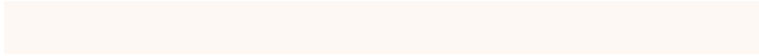
98, 2.923, 63.312



98, 2.890, 244.550

# Rectangle

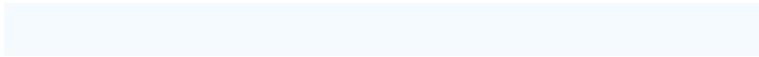
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



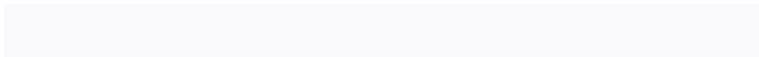
98, 2.923, 63.312



98, 2.923, 113.312



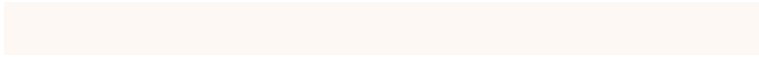
98, 2.923, 243.312



98, 2.923, 293.312

# Sweetspot

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



98, 2.923, 63.365



100, 0.734, 63.123



97, 4.692, 338.832



53, 0.417, 63.090



0, 0.000, 0.000

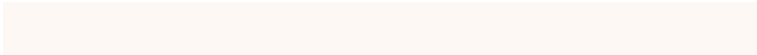


53, 0.007, 296.813



# Same Dimension

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



98, 2.923, 63.365



98, 3.741, 63.295



99, 4.566, 105.367



52, 2.558, 63.240



47, 72.127, 53.072



14, 27.459, 52.243



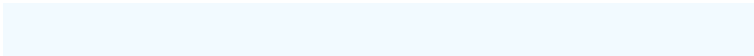


# Inverse Universe

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



98, 2.890, 244.550



98, 3.679, 244.631



97, 4.617, 286.252



52, 2.507, 244.693



47, 47.592, 272.541

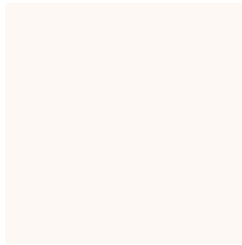


14, 19.914, 265.352



# Previews

## White Background



This preview shows how the CIE LCh color 98, 2.923, 63.312 looks on a white background.

## Color Contrast Check

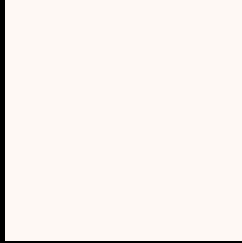
Large Text (above 18pt) WCAG AA × Fail

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, 2.923, 63.312 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

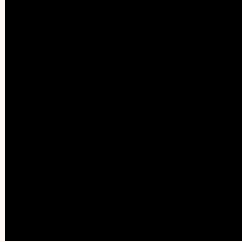
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 98, 2.923, 63.312**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 98, 2.923, 63.312.



This preview shows how white text looks on a background with the CIELCh color 98, 2.923, 63.312.

# 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, 2.925, 63.312


**Protanopia**  
98, 3.192, 58.882

**Deuteranopia**  
98, 2.470, 19.304

**Tritanopia**  
98, 3.859, 311.595



# Trichromacy

A vertical bar with a color gradient from light orange at the top to light pink at the bottom.

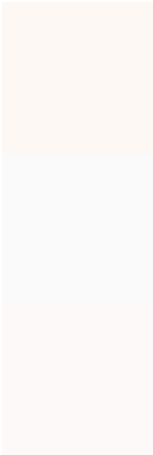
**Original Color**  
98, 2.925, 63.312

**Protanomaly**  
98, 3.192, 58.882

**Deuteranomaly**  
98, 2.519, 30.953

**Tritanomaly**  
98, 2.348, 338.592

# Monochromacy

A vertical bar with a color gradient from light orange at the top to light grey at the bottom.

**Original Color**  
98, 2.925, 63.312

**Achromatopsia**  
98, 0.011, 296.813

**Achromatomaly**  
98, 1.163, 44.808

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 98, 2.923, 63.312 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(254, 248, 244)` looks like.

```
.text, #text, p{  
    color:rgb(254, 248, 244)  
}
```

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(254, 248, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 248, 244) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 2.923, 63.312 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(254, 248, 244) }
```

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

```
.border{ border-color:rgb(254, 248, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 248, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 248, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 248, 244);  
box-shadow:4px 4px 4px 4px rgb(254, 248,  
244) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 2.923, 63.312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 248, 244) }
```

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

```
.background{ background-color: rgb(254,  
248, 244) }
```

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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