

# Converting Colors

CIE LCh(98, 5.609, 8.987)

Have a look what the booklet for  
CIELCh(98, 5.609, 8.987) contains.

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# Color

**CIELCh(98, 3.349, 1.716)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF7F9
RGB	255, 247, 249
RGB Percent	100%, 97%, 98%
CMY	0.0000, 0.0309, 0.0230
CMYK	0.00, 0.03, 0.02, 0.00
HSL	345°, 100%, 98%
HSV	345°, 3%, 100%
XYZ	92.0714, 94.9163, 103.1896
YIQ	249.6200, 4.1260, 2.3180

# Conversions

## Conversions Part 2

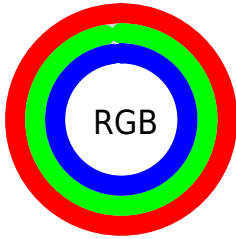
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 247, 249
Decimal	16775161
CIE <sub>Lab</sub>	98.00, 3.35, 0.10
CIE <sub>LCh</sub>	98, 3.349, 1.716
Yxy	94.9163, 0.3173, 0.3271
Android (android.graphics.Color)	4294965241 (0xFFFFF7F9)
YUV	249.6200, -0.3057, 4.7183
Hunter-Lab	97.4250, -1.8024, 5.3993

# Details

The CIELCh color **98, 3.349, 1.716** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **99, 2.929, 179.172**, 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, 2.814, 357.112** is the 20% darker color. If you saturate the color by 10%, you get **91, 12.870, 0.502**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

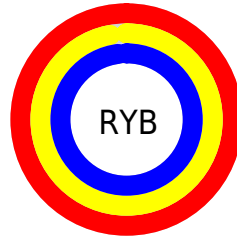
# Distribution



Red (100%)

Green (97%)

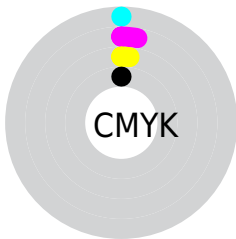
Blue (98%)



Red (100%)

Yellow (97%)

Blue (98%)

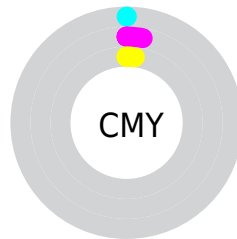


Cyan (0%)

Magenta (3%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (3%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 98, 3.349, 1.716 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, 3.349, 1.716 by changing the saturation by 10% instead.



 98, 3.349, 1.716

 98, 3.349, 1.716

 100, 3.349, 1.716

 88, 3.349, 1.716

 78, 3.349, 1.716

 68, 3.349, 1.716

 58, 3.349, 1.716

 48, 3.349, 1.716

 38, 3.349, 1.716

 28, 3.349, 1.716

 18, 3.349, 1.716

 8, 3.349, 1.716

98, 3.349, 1.716

98, 3.349, 1.716

91, 12.870, 0.502

100, 0.012,  
296.813

85, 23.197, 1.704

78, 33.838, 3.121

73, 44.585, 4.838

67, 55.118, 6.967

63, 65.006, 9.652

59, 73.786, 13.062

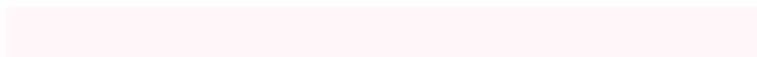
56, 81.134, 17.348

54, 87.062, 22.528

# Harmonies

# Complementary

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



98, 3.349, 1.716



99, 2.929, 179.172

# Rectangle

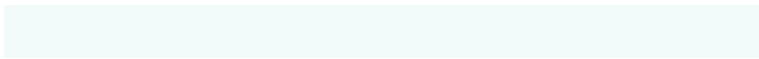
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



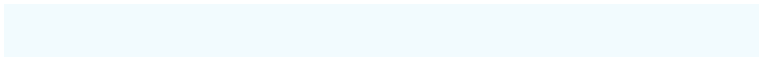
98, 3.349, 1.716



98, 3.349, 51.716



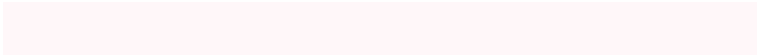
98, 3.349, 181.716



98, 3.349, 231.716

# Sweetspot

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



98, 2.969, 359.339



99, 0.960, 358.728



98, 4.526, 316.860



53, 0.546, 358.691



0, 0.000, 0.000

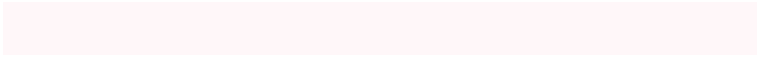


53, 0.007, 296.813



# Same Dimension

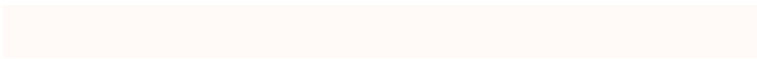
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 2.969, 359.339



97, 3.852, 359.470



98, 2.316, 43.020



51, 2.742, 359.567



40, 72.468, 25.316



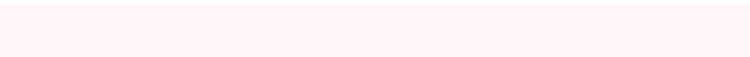
10, 31.680, 15.770





# Inverse Universe

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



98, 2.969, 359.339



97, 3.852, 359.470



99, 2.280, 223.811



51, 2.742, 359.567



40, 72.468, 25.316

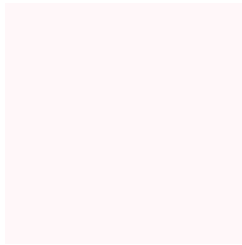


10, 31.680, 15.770



# Previews

## White Background



This preview shows how the CIE LCh color 98, 3.349, 1.716 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, 3.349, 1.716 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

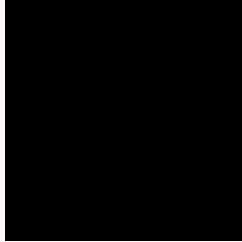
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 98, 3.349, 1.716**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 98, 3.349, 1.716.



This preview shows how white text looks on a background with the CIELCh color 98, 3.349, 1.716.

# 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, 3.011, 359.612

### Protanopia

98, 1.840, 3.099

### Deuteranopia

98, 3.011, 359.612

**Tritanopia**  
98, 4.469, 313.399



# Trichromacy



**Original Color**

98, 3.011, 359.612

**Protanomaly**

98, 2.181, 5.749

**Deuteranomaly**

98, 3.011, 359.612

**Tritanomaly**

98, 3.741, 324.491

# Monochromacy



**Original Color**

98, 3.011, 359.612

**Achromatopsia**

98, 0.011, 296.813

**Achromatomaly**

98, 1.181, 353.332

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 98, 3.349, 1.716 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(255, 247, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 249)  
}
```

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(255, 247, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 249) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 3.349, 1.716 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(255, 247, 249) }
```

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

```
.border{ border-color:rgb(255, 247, 249) }
```

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

Here you see how a box with a 4 pixel rgb(255, 247, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
249) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 3.349, 1.716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 249) }
```

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

```
.background{ background-color: rgb(255,  
247, 249) }
```

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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