

# Converting Colors

CIELCh(100, 13.331, 10.935)

Have a look what the booklet for  
CIELCh(100, 13.331, 10.935)  
contains.

<b>CIELCh(98, 4.090, 340.937)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# **Color**

**CIELCh(98, 4.090, 340.937)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF7FC
RGB	255, 247, 252
RGB Percent	100%, 97%, 99%
CMY	0.0000, 0.0317, 0.0121
CMYK	0.00, 0.03, 0.01, 0.00
HSL	323°, 100%, 98%
HSV	323°, 3%, 100%
XYZ	92.3610, 94.9163, 105.4692
YIQ	249.9620, 3.1630, 3.2510

# Conversions

## Conversions Part 2

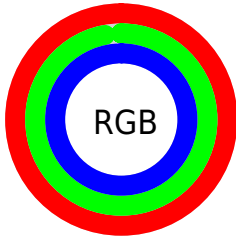
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 247, 252
Decimal	16775164
CIE Lab	98.00, 3.87, -1.34
CIE LCh	98, 4.090, 340.937
Yxy	94.9163, 0.3155, 0.3242
Android (android.graphics.Color)	4294965244 (0xFFFFF7FC)
YUV	249.9620, 1.0047, 4.4183
Hunter-Lab	97.4250, -1.2718, 4.0120

# Details

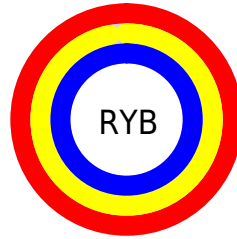
The CIELCh color 98, 4.090, 340.937 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 99, 3.818, 157.696, and the grayscale version is 98, 0.011, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 78, 3.374, 340.150 is the 20% darker color. If you saturate the color by 10%, you get 92, 16.092, 338.790, and if you desaturate by 10%, it is 100, 0.012, 296.813.

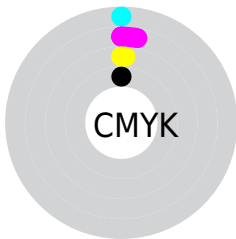
# Distribution



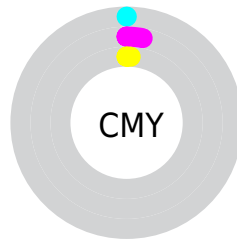
- Red (100%)
- Green (97%)
- Blue (99%)



- Red (100%)
- Yellow (97%)
- Blue (99%)



- Cyan (0%)
- Magenta (3%)
- Yellow (1%)
- Black (0%)



- Cyan (0%)
- Magenta (3%)
- Yellow (1%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 4.090, 340.937 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, 4.090, 340.937 by changing the saturation by 10% instead.



 98, 4.090, 340.937

 98, 4.090, 340.937

 100, 4.090,  
340.937

 88, 4.090, 340.937

 78, 4.090, 340.937

 68, 4.090, 340.937

 58, 4.090, 340.937

 48, 4.090, 340.937

 38, 4.090, 340.937

 28, 4.090, 340.937

 18, 4.090, 340.937

 8, 4.090, 340.937

98, 4.090, 340.937

98, 4.090, 340.937

92, 16.092,  
338.790

100, 0.012,  
296.813

85, 28.482,  
339.636

79, 40.795,  
340.555

74, 52.700,  
341.573

69, 63.733,  
342.725

64, 73.306,  
344.063

61, 80.783,  
345.662

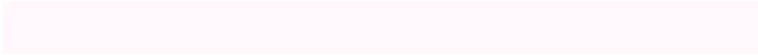
58, 85.633,  
347.624

■ 56, 87.667,  
350.069

# Harmonies

# Complementary

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



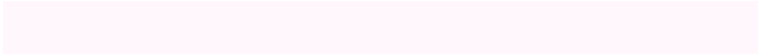
98, 4.090, 340.937



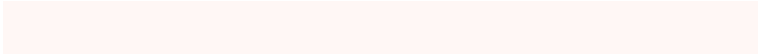
99, 3.818, 157.696

# Rectangle

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



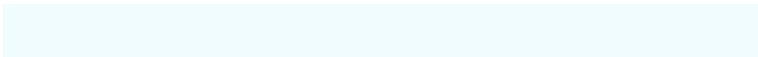
98, 4.090, 340.937



98, 4.090, 30.937



98, 4.090, 160.937



98, 4.090, 210.937

# Sweetspot

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



98, 3.843, 337.935



99, 1.214, 337.528



98, 4.282, 304.425



53, 0.690, 337.506



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, 3.843, 337.935



97, 4.847, 338.020



98, 2.916, 8.514



52, 3.447, 338.090



42, 70.938, 351.464



11, 33.442, 347.713



# Inverse Universe

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



98, 3.843, 337.935



97, 4.847, 338.020



99, 2.866, 188.421



52, 3.447, 338.090



42, 70.938, 351.464

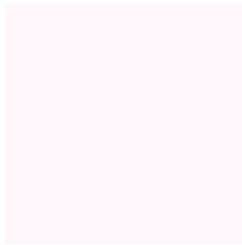


11, 33.442, 347.713



# Previews

## White Background



This preview shows how the CIE LCh color 98, 4.090, 340.937 looks on a white background.

## Color Contrast Check

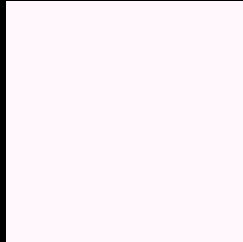
Large Text (above 18pt) WCAG AA × Fail

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, 4.090, 340.937 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

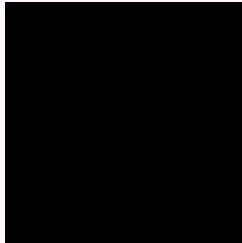
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 98, 4.090, 340.937

## Background



This preview shows how black text looks on a background with the CIELCh color 98, 4.090, 340.937.



This preview shows how white text looks on a background with the CIELCh color 98, 4.090, 340.937.

# 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, 3.820, 337.601

**Protanopia**  
98, 2.498, 324.407

**Deuteranopia**  
98, 3.223, 351.093



**Tritanopia**  
98, 3.859, 311.595

# Trichromacy



**Original Color**

98, 3.820, 337.601

**Protanomaly**

98, 2.713, 330.516

**Deuteranomaly**

98, 3.497, 343.770

**Tritanomaly**

98, 3.551, 319.833

# Monochromacy



**Original Color**

98, 3.820, 337.601

**Achromatopsia**

98, 0.011, 296.813

**Achromatomaly**

98, 1.482, 335.469

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 98, 4.090, 340.937 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, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 252)  
}
```

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, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 252) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 4.090, 340.937 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, 252) }
```

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

```
.border{ border-color:rgb(255, 247, 252) }
```

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, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
252) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 4.090, 340.937 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, 252) }
```

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

```
.background{ background-color: rgb(255,  
247, 252) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor