

# Converting Colors

CIELCh(100, 40.741, 288.837)

Have a look what the booklet for  
CIELCh(100, 40.741, 288.837)  
contains.

<b>CIELCh(98, 4.251, 236.340)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(98, 4.251, 236.340)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1FBFF
RGB	241, 251, 255
RGB Percent	95%, 98%, 100%
CMY	0.0552, 0.0159, 0.0000
CMYK	0.06, 0.02, 0.00, 0.00
HSL	197°, 100%, 97%
HSV	197°, 6%, 100%
XYZ	88.9235, 94.9163, 109.0301
YIQ	248.4660, -7.2440, -0.8760

# Conversions

## Conversions Part 2

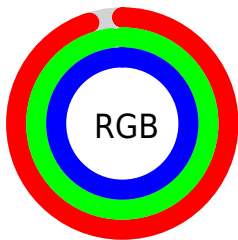
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 247, 255
Decimal	15858687
CIE Lab	98.00, -2.36, -3.54
CIE LCh	98, 4.251, 236.340
Yxy	94.9163, 0.3036, 0.3241
Android (android.graphics.Color)	4294048767 (0xFFFF1FBFF)
YUV	248.4660, 3.2213, -6.5477
Hunter-Lab	97.4250, -7.5699, 1.8450

# Details

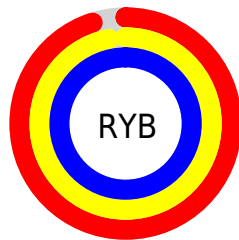
The CIELCh color **98, 4.251, 236.340** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **97, 4.111, 49.690**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **78, 3.920, 223.504** is the 20% darker color. If you saturate the color by 10%, you get **94, 10.982, 231.429**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

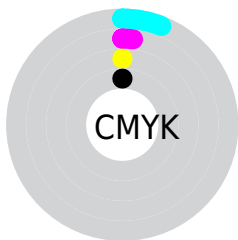
# Distribution



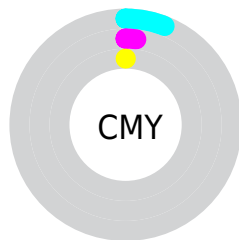
- Red (95%)
- Green (98%)
- Blue (100%)



- Red (95%)
- Yellow (97%)
- Blue (100%)



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 4.251, 236.340 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, 4.251, 236.340 by changing the saturation by 10% instead.



 98, 4.251, 236.340

 98, 4.251, 236.340

 100, 4.251,  
236.340

 88, 4.251, 236.340

 78, 4.251, 236.340

 68, 4.251, 236.340


 58, 4.251, 236.340

 48, 4.251, 236.340

 38, 4.251, 236.340

 28, 4.251, 236.340

 18, 4.251, 236.340

 8, 4.251, 236.340

98, 4.251, 236.340

98, 4.251, 236.340

94, 10.982,  
231.429

100, 0.012,  
296.813

91, 17.585,  
232.470

88, 23.715,  
233.822

84, 29.281,  
235.553

81, 34.204,  
237.752

78, 38.436,  
240.513

76, 41.983,  
243.925

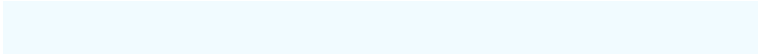
73, 44.930,  
248.043

■ 71, 47.456,  
252.838

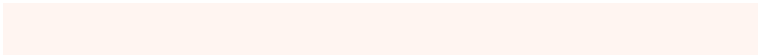
# Harmonies

# Complementary

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



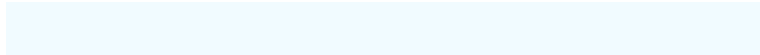
98, 4.251, 236.340



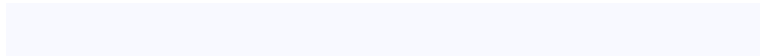
97, 4.111, 49.690

# Rectangle

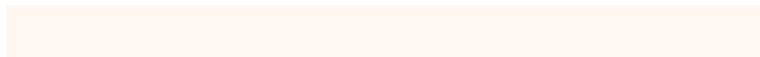
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 4.251, 236.340



98, 4.251, 286.340



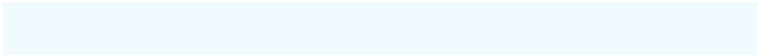
98, 4.251, 56.340



98, 4.251, 106.340

# Sweetspot

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



98, 3.995, 230.701



99, 1.460, 230.723



99, 7.159, 153.301



53, 0.830, 230.739



0, 0.000, 0.000



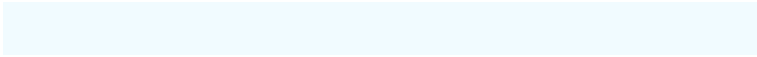
53, 0.007, 296.813



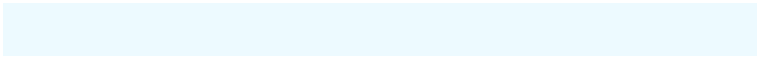


# Same Dimension

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



98, 3.995, 230.701



97, 5.050, 230.778



96, 5.735, 280.073



52, 3.277, 230.815



53, 38.811, 254.139



17, 17.044, 247.222



# Inverse Universe

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



96, 7.163, 334.157



95, 9.092, 334.270



99, 5.686, 98.714



50, 5.910, 334.315



43, 74.852, 344.120

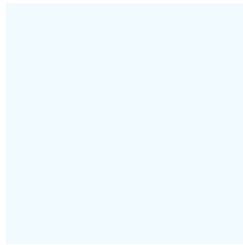


11, 35.253, 341.679



# Previews

## White Background



This preview shows how the CIE LCh color 98, 4.251, 236.340 looks on a white background.

## Color Contrast Check

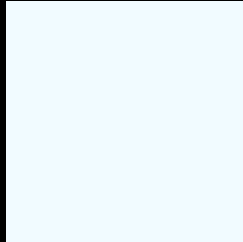
Large Text (above 18pt) WCAG AA × Fail

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, 4.251, 236.340 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

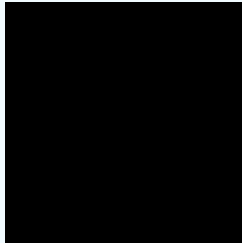
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

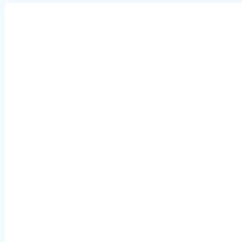
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 98, 4.251, 236.340

## Background



This preview shows how black text looks on a background with the CIELCh color 98, 4.251, 236.340.

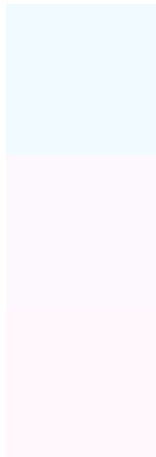


This preview shows how white text looks on a background with the CIELCh color 98, 4.251, 236.340.

# 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, 3.975, 230.305

### Protanopia

98, 2.933, 318.815

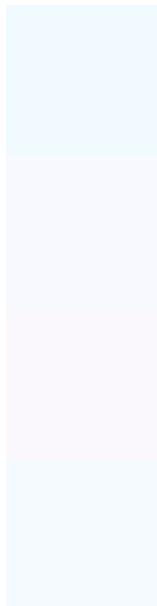
### Deuteranopia

98, 3.497, 343.770



**Tritanopia**  
98, 3.137, 277.676

# Trichromacy



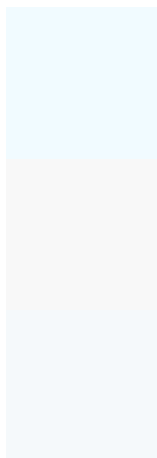
**Original Color**  
98, 3.975, 230.305

**Protanomaly**  
98, 2.578, 282.661

**Deuteranomaly**  
98, 2.176, 309.073

**Tritanomaly**  
98, 3.064, 256.053

# Monochromacy



**Original Color**  
98, 3.975, 230.305

**Achromatopsia**  
98, 0.011, 296.813

**Achromatomaly**  
98, 1.718, 236.229

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 98, 4.251, 236.340 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(241, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(241, 251, 255)  
}
```

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(241, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 251, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 4.251, 236.340 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(241, 251, 255) }
```

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

```
.border{ border-color:rgb(241, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 251,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 4.251, 236.340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 251, 255) }
```

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

```
.background{ background-color: rgb(241,  
251, 255) }
```

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