

# Converting Colors

CIE LCh(99, 4.145, 140.424)

Have a look what the booklet for  
CIELCh(99, 4.145, 140.424) contains.

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# Color

**CIELCh(99, 4.148, 140.426)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8FEF7
RGB	248, 254, 247
RGB Percent	97%, 100%, 97%
CMY	0.0280, 0.0044, 0.0319
CMYK	0.02, 0.00, 0.03, 0.00
HSL	111°, 76%, 98%
HSV	111°, 3%, 100%
XYZ	90.8295, 97.4360, 101.9057
YIQ	251.4080, -1.3290, -3.4490

# Conversions

## Conversions Part 2

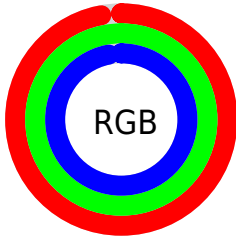
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 254, 253
Decimal	16318199
CIE Lab	99.00, -3.20, 2.64
CIE LCh	99, 4.148, 140.426
Yxy	97.4360, 0.3130, 0.3358
Android (android.graphics.Color)	4294508279 (0xFFF8FEF7)
YUV	251.4080, -2.1731, -2.9888
Hunter-Lab	98.7097, -8.4920, 7.8871

# Details

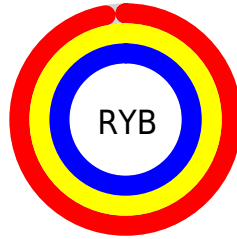
The CIELCh color 99, 4.148, 140.426 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98, 4.175, 320.560, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 3.704, 139.719 is the 20% darker color. If you saturate the color by 10%, you get 97, 19.349, 139.860, and if you desaturate by 10%, it is 100, 0.711, 324.031.

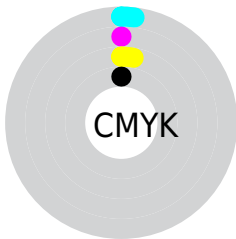
# Distribution



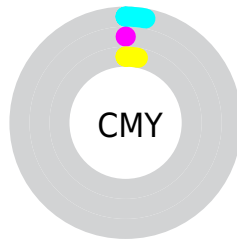
- Red (97%)
- Green (100%)
- Blue (97%)



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



- Cyan (2%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)



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

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 4.148, 140.426 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 99, 4.148, 140.426 by changing the saturation by 10% instead.



 99, 4.148, 140.426

 99, 4.148, 140.426

 100, 4.148,  
140.426

 89, 4.148, 140.426

 79, 4.148, 140.426

 69, 4.148, 140.426

 59, 4.148, 140.426

 49, 4.148, 140.426

 39, 4.148, 140.426

 29, 4.148, 140.426

 19, 4.148, 140.426

 9, 4.148, 140.426

99, 4.148, 140.426

99, 4.148, 140.426

97, 19.349,  
139.860

100, 0.711,  
324.031

95, 34.617,  
139.255

93, 49.757,  
138.575


92, 64.504,  
137.826

91, 78.498,  
137.037

90, 91.267,  
136.270

89, 102.215,  
135.623

88, 110.675,  
135.231

 88, 116.122,  
135.210

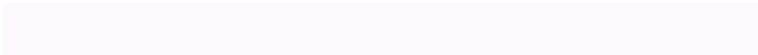
# Harmonies

# Complementary

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



99, 4.148, 140.426



98, 4.175, 320.560

# Rectangle

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



99, 4.148, 140.426



99, 4.148, 190.426



99, 4.148, 320.426



99, 4.148, 10.426

# Sweetspot

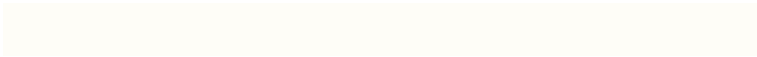
The Sweet Spot groups the original color and five complimentary colors.



99, 4.151, 140.429



100, 1.501, 140.627



99, 3.031, 102.899



53, 0.853, 140.639



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



99, 4.151, 140.429



99, 4.531, 140.412



99, 3.385, 156.309



53, 3.439, 140.361



68, 95.477, 135.254

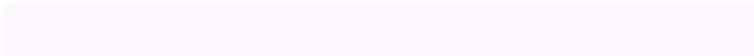


23, 42.694, 134.805



# Inverse Universe

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



98, 4.175, 320.560



98, 4.556, 320.576



98, 3.407, 336.453



52, 3.455, 320.626



41, 94.143, 322.750



10, 43.225, 323.385



# Previews

## White Background



This preview shows how the CIE LCh color 99, 4.148, 140.426 looks on a white background.

## Color Contrast Check

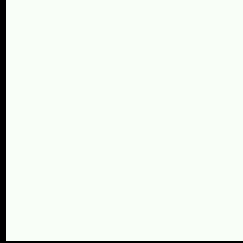
Large Text (above 18pt) WCAG AA × Fail

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 99, 4.148, 140.426 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

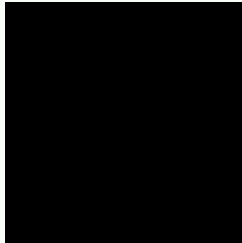
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 4.148, 140.426

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 4.148, 140.426.



This preview shows how white text looks on a background with the CIELCh color 99, 4.148, 140.426.

# 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

A vertical bar on the left side of the page is divided into three colored sections: a light green top section, a light orange middle section, and a light pink bottom section. These sections correspond to the 'Original Color', 'Protanopia', and 'Deuteranopia' labels respectively.

### Original Color

99, 4.148, 140.426

### Protanopia

99, 1.723, 55.170

### Deuteranopia

99, 1.502, 359.268



**Tritanopia**  
99, 1.537, 290.342

# Trichromacy



**Original Color**

99, 4.148, 140.426

**Protanomaly**

99, 2.022, 109.988

**Deuteranomaly**

99, 1.005, 110.026

**Tritanomaly**

99, 1.164, 174.061

# Monochromacy



**Original Color**

99, 4.148, 140.426

**Achromatopsia**

99, 0.012, 296.813

**Achromatomaly**

99, 1.677, 134.742

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 4.148, 140.426 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(248, 254, 247)` looks like.

```
.text, #text, p{  
    color:rgb(248, 254, 247)  
}
```

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(248, 254, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 254, 247) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 4.148, 140.426 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(248, 254, 247) }
```

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

```
.border{ border-color:rgb(248, 254, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 254, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 254, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 254, 247);  
box-shadow:4px 4px 4px 4px rgb(248, 254,  
247) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 4.148, 140.426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 254, 247) }
```

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

```
.background{ background-color: rgb(248,  
254, 247) }
```

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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