

# Converting Colors

CIELCh(99, 4.138, 149.320)

Have a look what the booklet for  
CIELCh(99, 4.138, 149.320) contains.

<b>CIELCh(99, 3.930, 148.535)</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(99, 3.930, 148.535)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7FEF8
RGB	247, 254, 248
RGB Percent	97%, 100%, 97%
CMY	0.0314, 0.0039, 0.0274
CMYK	0.03, 0.00, 0.02, 0.00
HSL	129°, 78%, 98%
HSV	129°, 3%, 100%
XYZ	90.7439, 97.4360, 102.8323
YIQ	251.2230, -2.2460, -3.3500

# Conversions

## Conversions Part 2

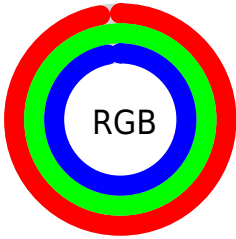
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 253, 254
Decimal	16252664
CIE Lab	99.00, -3.35, 2.05
CIE LCh	99, 3.930, 148.535
Yxy	97.4360, 0.3118, 0.3348
Android (android.graphics.Color)	4294442744 (0xFF7FEF8)
YUV	251.2230, -1.5889, -3.7036
Hunter-Lab	98.7097, -8.6468, 7.3305

# Details

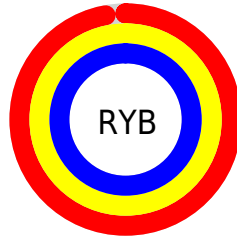
The CIELCh color 99, 3.930, 148.535 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98, 3.953, 328.685, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 3.476, 149.293 is the 20% darker color. If you saturate the color by 10%, you get 97, 18.350, 147.799, and if you desaturate by 10%, it is 100, 0.626, 323.969.

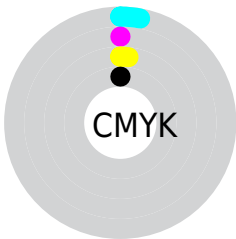
# Distribution



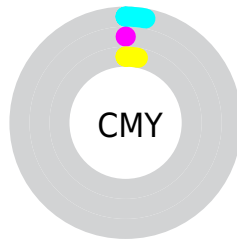
- Red (97%)
- Green (100%)
- Blue (97%)



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



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



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

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 3.930, 148.535 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, 3.930, 148.535 by changing the saturation by 10% instead.



 99, 3.930, 148.535

 99, 3.930, 148.535

 100, 3.930,  
148.535

 89, 3.930, 148.535

 79, 3.930, 148.535

 69, 3.930, 148.535

 59, 3.930, 148.535

 49, 3.930, 148.535

 39, 3.930, 148.535

 29, 3.930, 148.535

 19, 3.930, 148.535

 9, 3.930, 148.535

99, 3.930, 148.535

99, 3.930, 148.535

97, 18.350,  
147.799

100, 0.626,  
323.969

95, 32.832,  
147.014

93, 47.171,  
146.105

91, 61.102,  
145.052

90, 74.310,  
143.846

89, 86.434,  
142.496

88, 97.093,  
141.034

88, 105.906,  
139.534

■ 88, 112.536,  
138.114

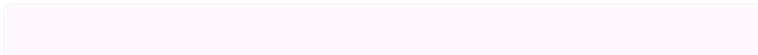
# Harmonies

# Complementary

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



99, 3.930, 148.535



98, 3.953, 328.685

# Rectangle

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



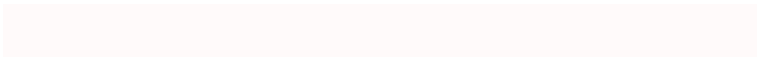
99, 3.930, 148.535



99, 3.930, 198.535



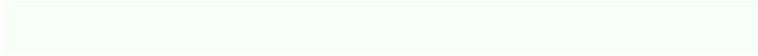
99, 3.930, 328.535



99, 3.930, 18.535

# Sweetspot

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



99, 3.933, 148.533



100, 1.422, 148.797



99, 3.563, 115.195



53, 0.808, 148.813



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, 3.933, 148.533



99, 4.294, 148.511



99, 2.779, 171.458



53, 3.259, 148.443



68, 93.134, 137.472

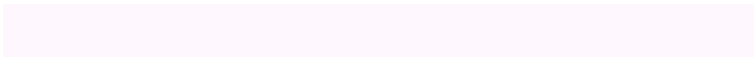


23, 40.724, 139.629



# Inverse Universe

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



98, 3.953, 328.685



98, 4.315, 328.707



98, 2.808, 351.566



52, 3.272, 328.772



44, 83.221, 334.890



12, 38.799, 333.976



# Previews

## White Background



This preview shows how the CIElCh color 99, 3.930, 148.535 looks on a white background.

## Color Contrast Check

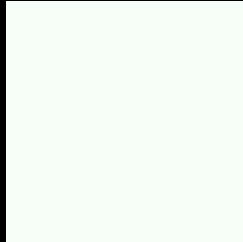
Large Text (above 18pt) WCAG AA × Fail

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, 3.930, 148.535 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

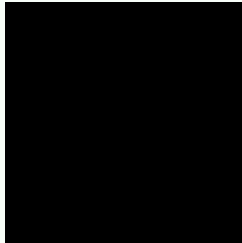
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 3.930, 148.535

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 3.930, 148.535.



This preview shows how white text looks on a background with the CIELCh color 99, 3.930, 148.535.

# 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**  
99, 3.930, 148.535



**Protanopia**  
99, 1.723, 55.170

**Deuteranopia**  
99, 1.502, 359.268



**Tritanopia**  
99, 1.537, 290.342

# Trichromacy



**Original Color**

99, 3.930, 148.535

**Protanomaly**

99, 1.514, 110.013

**Deuteranomaly**

99, 0.497, 109.986

**Tritanomaly**

99, 1.164, 174.061

# Monochromacy



**Original Color**

99, 3.930, 148.535

**Achromatopsia**

99, 0.012, 296.813

**Achromatomaly**

99, 1.233, 144.647

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 3.930, 148.535 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(247, 254, 248)` looks like.

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

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

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

## Border

The CSS property to change the border of an element to CIELCh 99, 3.930, 148.535 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(247, 254, 248) }
```

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

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

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

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

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

# Background

The CSS property to change the background color of an element to CIELCh 99, 3.930, 148.535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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