

# Converting Colors

CIELCh(100, 4.772, 43.141)

Have a look what the booklet for  
CIELCh(100, 4.772, 43.141) contains.

|  |    |
|--|----|
| <b>CIELCh(99, 2.132, 90.699)</b> .....         | 3  |
| <i><b>Conversions</b></i> .....                | 4  |
| <i><b>Details</b></i> .....                    | 6  |
| <i><b>Harmonies</b></i> .....                  | 11 |
| <i><b>Previews</b></i> .....                   | 20 |
| <i><b>Color Blindness Simulation</b></i> ..... | 23 |
| <i><b>CSS Examples</b></i> .....               | 26 |

# **Color**

**CIELCh(99, 2.132, 90.699)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | FEFCF8                     |
| RGB         | 254, 252, 248              |
| RGB Percent | 100%, 99%, 97%             |
| CMY         | 0.0041, 0.0119, 0.0276     |
| CMYK        | 0.00, 0.01, 0.02, 0.00     |
| HSL         | 40°, 74%, 98%              |
| HSV         | 40°, 2%, 100%              |
| XYZ         | 92.5954, 97.4360, 102.7059 |
| YIQ         | 252.1420, 2.4760, -0.8200  |

# Conversions

## Conversions Part 2

| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| <b>R<sub>YB</sub></b>               | 251, 254, 248                |
| Decimal                             | 16710904                     |
| CIE Lab                             | 99.00, -0.03, 2.13           |
| CIE LCh                             | 99, 2.132, 90.699            |
| Yxy                                 | 97.4360, 0.3163,<br>0.3328   |
| Android<br>(android.graphics.Color) | 4294900984<br>(0xFFFEFCF8)   |
| YUV                                 | 252.1420, -2.0420,<br>1.6295 |
| Hunter-Lab                          | 98.7097, -5.2985,<br>7.4065  |

# Details

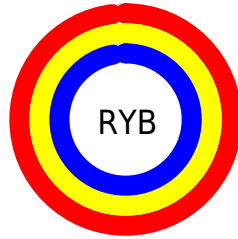
The CIELCh color 99, 2.132, 90.699 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98, 2.153, 271.612, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 1.747, 84.940 is the 20% darker color. If you saturate the color by 10%, you get 96, 11.338, 89.605, and if you desaturate by 10%, it is 100, 0.360, 201.222.

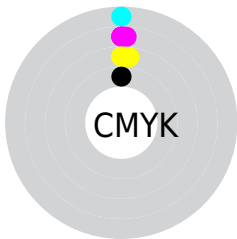
# Distribution



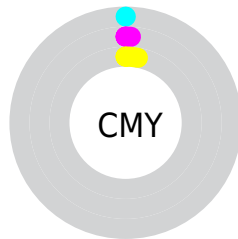
- Red (100%)
- Green (99%)
- Blue (97%)



- Red (98%)
- Yellow (100%)
- Blue (97%)



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (0%)



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

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 2.132, 90.699 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, 2.132, 90.699 by changing the saturation by 10% instead.



 99, 2.132, 90.699

 99, 2.132, 90.699

 100, 2.132, 90.699

 89, 2.132, 90.699

 79, 2.132, 90.699

 69, 2.132, 90.699

 59, 2.132, 90.699

 49, 2.132, 90.699

 39, 2.132, 90.699

 29, 2.132, 90.699

 19, 2.132, 90.699

 9, 2.132, 90.699

99, 2.132, 90.699

99, 2.132, 90.699

96, 11.338, 89.605

100, 0.360,  
201.222

94, 20.737, 88.307

91, 30.310, 86.961

89, 40.002, 85.573

86, 49.692, 84.140

84, 59.141, 82.644

82, 67.908, 81.042

79, 75.263, 79.238

77, 80.230, 77.066

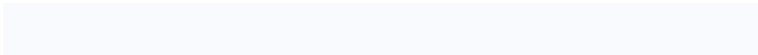
# Harmonies

# Complementary

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



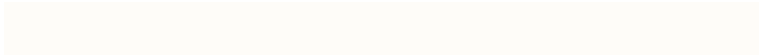
99, 2.132, 90.699



98, 2.153, 271.612

# Rectangle

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



99, 2.132, 90.699



99, 2.132, 140.699



99, 2.132, 270.699



99, 2.132, 320.699

# Sweetspot

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



99, 2.134, 90.759



100, 0.899, 90.741



98, 2.356, 353.672



53, 0.511, 90.730



0, 0.000, 0.000



53, 0.007, 296.813

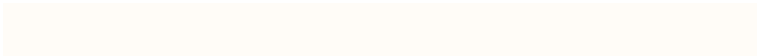


# Same Dimension

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



99, 2.134, 90.759



99, 2.725, 90.708



99, 3.056, 116.536



53, 2.069, 90.631



58, 66.478, 75.639



19, 28.105, 78.406



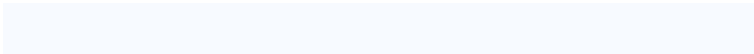


# Inverse Universe

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



98, 2.153, 271.612



98, 2.744, 271.665



98, 3.094, 296.877



52, 2.080, 271.747



33, 79.080, 296.731



8, 31.722, 291.601



# Previews

## White Background



This preview shows how the CIE LCh color 99, 2.132, 90.699 looks on a white background.

## Color Contrast Check

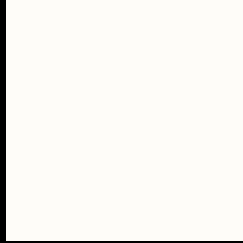
Large Text (above 18pt) WCAG AA × Fail

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, 2.132, 90.699 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

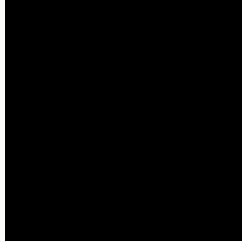
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 2.132, 90.699

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 2.132, 90.699.



This preview shows how white text looks on a background with the CIELCh color 99, 2.132, 90.699.

# 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, 2.134, 90.698

### Protanopia

99, 1.487, 38.999

### Deuteranopia

99, 1.502, 359.268

**Tritanopia**  
99, 1.581, 303.066



# Trichromacy

## Original Color

99, 2.134, 90.698

## Protanomaly

99, 1.723, 55.170

## Deuteranomaly

99, 1.406, 19.030

## Tritanomaly

99, 0.352, 17.560

# Monochromacy

## Original Color

99, 2.134, 90.698

## Achromatopsia

99, 0.012, 296.813

## Achromatomaly

99, 0.605, 74.599

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 2.132, 90.699 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(254, 252, 248)` looks like.

```
.text, #text, p{  
    color:rgb(254, 252, 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(254, 252, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 252, 248) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 2.132, 90.699 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(254, 252, 248) }
```

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

```
.border{ border-color:rgb(254, 252, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 252, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 252, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 252, 248);  
box-shadow:4px 4px 4px 4px rgb(254, 252,  
248) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 2.132, 90.699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 252, 248) }
```

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

```
.background{ background-color: rgb(254,  
252, 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