

# Converting Colors

CIELCh(99, 2.183, 109.390)

Have a look what the booklet for  
CIELCh(99, 2.183, 109.390) contains.

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# Color

**CIELCh(99, 2.022, 109.988)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCFCF8
RGB	252, 252, 248
RGB Percent	99%, 99%, 97%
CMY	0.0102, 0.0102, 0.0259
CMYK	0.00, 0.00, 0.02, 0.01
HSL	60°, 43%, 98%
HSV	60°, 2%, 99%
XYZ	92.2232, 97.4360, 103.0702
YIQ	251.5440, 1.2840, -1.2440

# Conversions

## Conversions Part 2

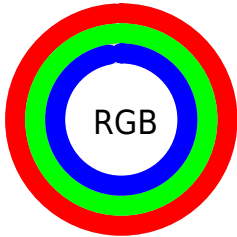
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	248, 252, 248
Decimal	16579832
CIE <sub>Lab</sub>	99.00, -0.69, 1.90
CIE <sub>LCh</sub>	99, 2.022, 109.988
Yxy	97.4360, 0.3150, 0.3329
Android (android.graphics.Color)	4294769912 (0xFFFCFCF8)
YUV	251.5440, -1.7472, 0.3999
Hunter-Lab	98.7097, -5.9717, 7.1876

# Details

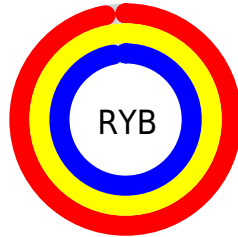
The CIELCh color 99, 2.022, 109.988 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98, 2.054, 290.413, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 1.591, 109.993 is the 20% darker color. If you saturate the color by 10%, you get 98, 14.825, 109.095, and if you desaturate by 10%, it is 99, 1.335, 290.690.

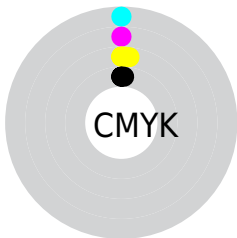
# Distribution



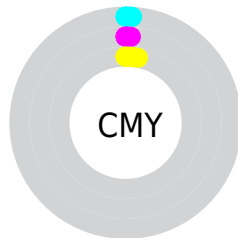
- Red (99%)
- Green (99%)
- Blue (97%)



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



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



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

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 2.022, 109.988 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, 2.022, 109.988 by changing the saturation by 10% instead.



 99, 2.022, 109.988

 99, 2.022, 109.988

 100, 2.022,  
109.988

 89, 2.022, 109.988

 79, 2.022, 109.988

 69, 2.022, 109.988

 59, 2.022, 109.988

 49, 2.022, 109.988

 39, 2.022, 109.988

 29, 2.022, 109.988

 19, 2.022, 109.988

 9, 2.022, 109.988

99, 2.022, 109.988

99, 2.022, 109.988

98, 14.825,  
109.095

99, 1.335, 290.690

98, 27.528,  
108.119

99, 1.336, 291.112

97, 40.030,  
107.148

99, 1.336, 291.533

97, 52.171,  
106.206

99, 1.337, 292.376

97, 63.701,  
105.318

99, 1.337, 292.797

97, 74.245,  
104.518

99, 1.338, 293.218

96, 83.279,  
103.846

99, 1.338, 293.638

96, 90.182,  
103.343

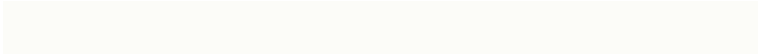
99, 1.339, 294.058

■ 96, 94.451,  
103.040

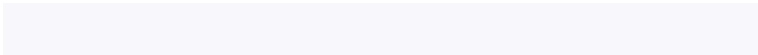
# Harmonies

# Complementary

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



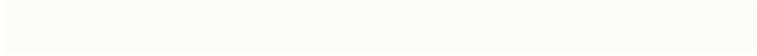
99, 2.022, 109.988



98, 2.054, 290.413

# Rectangle

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



99, 2.022, 109.988



99, 2.022, 159.988



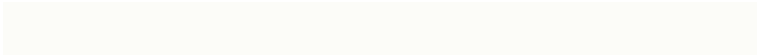
99, 2.022, 289.988



99, 2.022, 339.988

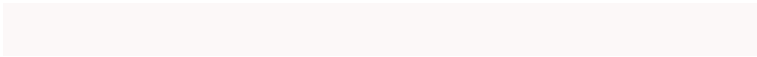
# Sweetspot

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



99, 2.024, 110.032

100, 0.012, 296.813



98, 1.410, 19.037



53, 0.007, 296.813



0, 0.000, 0.000

# Same Dimension

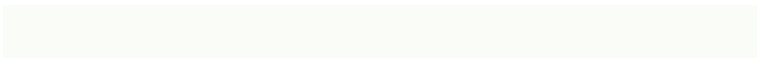
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 2.024, 110.032



100, 2.575, 110.000



99, 2.152, 129.065



52, 1.440, 110.009



74, 77.280, 102.922



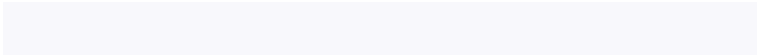
25, 34.379, 103.137





# Inverse Universe

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



98, 2.054, 290.413



98, 2.609, 290.446



98, 2.178, 309.073



51, 1.459, 290.438



23, 106.703, 306.290

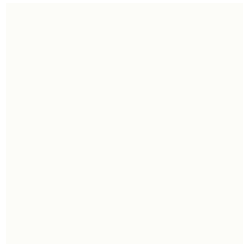


3, 42.029, 300.832



# Previews

## White Background



This preview shows how the CIE LCh color 99, 2.022, 109.988 looks on a white background.

## Color Contrast Check

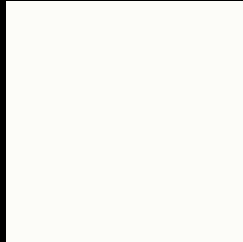
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 99, 2.022, 109.988 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

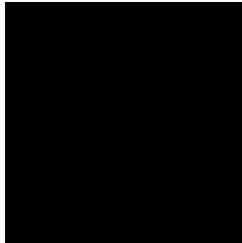
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

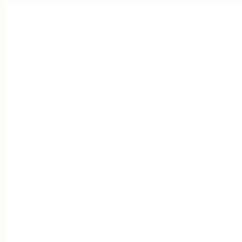
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 99, 2.022, 109.988

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 2.022, 109.988.



This preview shows how white text looks on a background with the CIELCh color 99, 2.022, 109.988.

# 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, 2.022, 109.988

### Protanopia

99, 1.487, 38.999

### Deuteranopia

99, 1.502, 359.268

**Tritanopia**  
99, 1.581, 303.066



# Trichromacy

## Original Color

99, 2.022, 109.988

## Protanomaly

99, 1.662, 84.963

## Deuteranomaly

99, 0.856, 54.923

## Tritanomaly

99, 0.631, 323.976

# Monochromacy

## Original Color

99, 2.022, 109.988

## Achromatopsia

99, 0.012, 296.813

## Achromatomaly

99, 0.497, 109.986

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 2.022, 109.988 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(252, 252, 248)` looks like.

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

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

## Border

The CSS property to change the border of an element to CIELCh 99, 2.022, 109.988 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(252, 252, 248) }
```

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

```
.border{ border-color:rgb(252, 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(252, 252, 248) colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to CIELCh 99, 2.022, 109.988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(252,  
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](#).

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