

# Converting Colors

CIELCh(99, 0.012, 27.108)

Have a look what the booklet for  
CIELCh(99, 0.012, 27.108) contains.

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# **Color**

**CIELCh(99, 0.012, 296.813)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCFCFC
RGB	252, 252, 252
RGB Percent	99%, 99%, 99%
CMY	0.0113, 0.0113, 0.0113
CMYK	0.00, 0.00, 0.00, 0.01
HSL	132°, 0%, 99%
HSV	132°, 0%, 99%
XYZ	92.6131, 97.4360, 106.1085
YIQ	252.0000, 0.0000, 0.0000

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	252, 252, 252
Decimal	16579836
CIE Lab	99.00, 0.01, -0.01
CIE LCh	99, 0.012, 296.813
Yxy	97.4360, 0.3127, 0.3290
Android (android.graphics.Color)	4294769916 (0xFFFCFCFC)
YUV	252.0000, 0.0000, 0.0000
Hunter-Lab	98.7097, -5.2667, 5.3627

# Details

The CIELCh color 99, 0.012, 296.813 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 99, 0.014, 302.145, 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, 0.010, 296.813 is the 20% darker color. If you saturate the color by 10%, you get 97, 13.756, 149.702, and if you desaturate by 10%, it is 99, 1.803, 324.333.

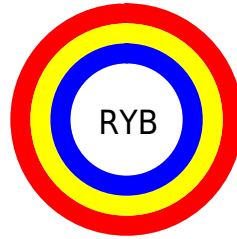
# Distribution



Red (99%)

Green (99%)

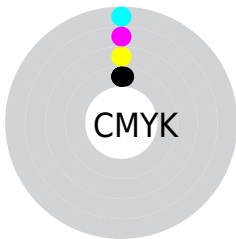
Blue (99%)



Red (99%)

Yellow (99%)

Blue (99%)

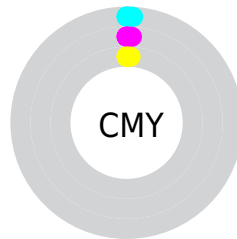


Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (1%)



Cyan (1%)

Magenta (1%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 0.012, 296.813 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, 0.012, 296.813 by changing the saturation by 10% instead.



99, 0.012, 296.813

99, 0.012, 296.813

100, 0.012,  
296.813

89, 0.012, 296.813

79, 0.012, 296.813

69, 0.012, 296.813

59, 0.012, 296.813

49, 0.012, 296.813

39, 0.012, 296.813

29, 0.012, 296.813

19, 0.012, 296.813

9, 0.012, 296.813

99, 0.012, 296.813

99, 0.012, 296.813

97, 13.756,  
149.702

99, 1.803, 324.333

95, 27.620,  
148.925

93, 41.403,  
148.032

91, 54.877,  
146.997

90, 67.768,  
145.804

89, 79.766,  
144.446

88, 90.551,  
142.935

88, 99.814,  
141.312

■ 87,107.285,  
139.659

# Harmonies

# Complementary

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

99, 0.012, 296.813

99, 0.014, 302.145

# Rectangle

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



99, 0.012, 296.813



99, 0.012, 346.813



99, 0.012, 116.813



99, 0.012, 166.813

# Sweetspot

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



99, 0.010, 289.408

100, 0.012, 296.813



99, 0.009, 296.690



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, 0.010, 289.408

100, 0.012, 296.813



99, 0.011, 289.483



52, 0.007, 296.813



67, 90.136, 138.422



22, 38.388, 141.009





# Inverse Universe

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



99, 0.014, 302.145

100, 0.012, 296.813



99, 0.012, 303.137



52, 0.007, 296.813



43, 79.228, 337.834



11, 36.515, 336.393



# Previews

## White Background



This preview shows how the CIE LCh color 99, 0.012, 296.813 looks on a white background.

## Color Contrast Check

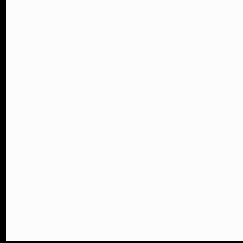
Large Text (above 18pt) WCAG AA × Fail

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, 0.012, 296.813 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

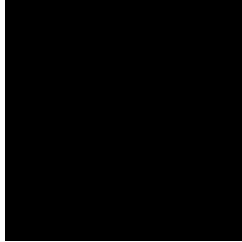
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

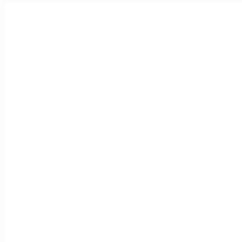
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 99, 0.012, 296.813

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 0.012, 296.813.



This preview shows how white text looks on a background with the CIELCh color 99, 0.012, 296.813.

# 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, 0.012, 296.813

### Protanopia

99, 1.502, 359.268

### Deuteranopia

99, 1.502, 359.268

**Tritanopia**  
99, 1.581, 303.066



# Trichromacy

## Original Color

99, 0.012, 296.813

## Protanomaly

99, 1.179, 353.328

## Deuteranomaly

99, 1.179, 353.328

## Tritanomaly

99, 1.091, 308.973

# Monochromacy

## Original Color

99, 0.012, 296.813

## Achromatopsia

99, 0.012, 296.813

## Achromatomaly

99, 0.012, 296.813

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 0.012, 296.813 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, 252)` looks like.

```
.text, #text, p{  
    color:rgb(252, 252, 252)  
}
```

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, 252) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to CIELCh 99, 0.012, 296.813 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, 252) }
```

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

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

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, 252)` colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to CIELCh 99, 0.012, 296.813 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, 252) }
```

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

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

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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