

# Converting Colors

CIELCh(100, 16.705, 295.000)

Have a look what the booklet for  
CIELCh(100, 16.705, 295.000)  
contains.

<b>CIELCh(99, 1.871, 324.342)</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> .....	20
<b><i>Color Blindness Simulation</i></b> .....	23
<b><i>CSS Examples</i></b> .....	26

# Color

**CIELCh(99, 1.871, 324.342)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEFBFE
RGB	254, 251, 254
RGB Percent	100%, 98%, 100%
CMY	0.0030, 0.0147, 0.0030
CMYK	0.00, 0.01, 0.00, 0.00
HSL	300°, 66%, 99%
HSV	300°, 1%, 100%
XYZ	93.4647, 97.4360, 107.8517
YIQ	252.2390, 0.8250, 1.5690

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">254, 251, 254</a>
Decimal	<a href="#">16710654</a>
CIELab	<a href="#">99.00, 1.52, -1.09</a>
CIELCh	<a href="#">99, 1.871, 324.342</a>
Yxy	<a href="#">97.4360, 0.3129, 0.3261</a>
Android (android.graphics.Color)	<a href="#">4294900734</a> (0xFFFEFBFE)
YUV	<a href="#">252.2390, 0.8682, 1.5444</a>
Hunter-Lab	<a href="#">98.7097, -3.7266, 4.3156</a>

# Details

The CIELCh color 99, 1.871, 324.342 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 99, 1.848, 144.543, 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, 1.310, 324.303 is the 20% darker color. If you saturate the color by 10%, you get 93, 17.779, 325.042, and if you desaturate by 10%, it is 100, 0.457, 145.074.

# Distribution



- Red (100%)
- Green (98%)
- Blue (100%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 1.871, 324.342 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, 1.871, 324.342 by changing the saturation by 10% instead.



99, 1.871, 324.342

99, 1.871, 324.342

100, 1.871,  
324.342

89, 1.871, 324.342

79, 1.871, 324.342

69, 1.871, 324.342

59, 1.871, 324.342

49, 1.871, 324.342

39, 1.871, 324.342

29, 1.871, 324.342

19, 1.871, 324.342

9, 1.871, 324.342

99, 1.871, 324.342

99, 1.871, 324.342

93, 17.779,  
325.042

100, 0.457,  
145.074

87, 33.788,  
325.601

100, 0.457,  
145.042

81, 49.621,  
326.141

100, 0.457,  
145.010

76, 64.887,  
326.651

100, 0.457,  
144.977

71, 79.074,  
327.112

100, 0.456,  
144.945

67, 91.576,  
327.508

100, 0.456,  
144.912

64, 101.768,  
327.824

100, 0.456,  
144.880

62, 109.155,  
328.048

100, 0.456,  
144.847

■ 61, 113.541,  
328.179

100, 0.456,  
144.815

# Harmonies

# Complementary

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



99, 1.871, 324.342



99, 1.848, 144.543

# Rectangle

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



99, 1.871, 324.342



99, 1.871, 14.342



99, 1.871, 144.342



99, 1.871, 194.342

# Sweetspot

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



99, 1.868, 324.341

100, 0.012, 296.813



99, 1.509, 289.682



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, 1.868, 324.341



99, 1.592, 324.302



99, 1.326, 342.499



53, 0.905, 324.289



45, 93.083, 328.231



12, 42.823, 328.231





# Inverse Universe

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



99, 1.051, 18.847



99, 0.895, 18.725



99, 1.308, 163.035



53, 0.509, 18.683



40, 84.228, 39.999



10, 33.367, 27.175



# Previews

## White Background



This preview shows how the CIE LCh color 99, 187, 324, 342 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, 1.871, 324.342 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, 1.871, 324.342

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 1.871, 324.342.



This preview shows how white text looks on a background with the CIELCh color 99, 1.871, 324.342.

# 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, 1.872, 324.343

### Protanopia

99, 2.091, 332.256

### Deuteranopia

99, 1.748, 343.501

**Tritanopia**  
99, 1.581, 303.066



# Trichromacy

## Original Color

99, 1.872, 324.343

## Protanomaly

99, 2.091, 332.256

## Deuteranomaly

99, 1.748, 343.501

## Tritanomaly

99, 1.581, 303.066

# Monochromacy

## Original Color

99, 1.872, 324.343

## Achromatopsia

99, 0.012, 296.813

## Achromatomaly

99, 0.631, 323.976

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 1.871, 324.342 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, 251, 254)` looks like.

```
.text, #text, p{  
    color:rgb(254, 251, 254)  
}
```

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, 251, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 251, 254) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 1.871, 324.342 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, 251, 254) }
```

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

```
.border{ border-color:rgb(254, 251, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 251, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 251, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 251, 254);  
box-shadow:4px 4px 4px 4px rgb(254, 251,  
254) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 1.871, 324.342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 251, 254) }
```

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

```
.background{ background-color: rgb(254,  
251, 254) }
```

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