

Converting Colors

CIELCh(100, 5.135, 50.957)

Have a look what the booklet for
CIELCh(100, 5.135, 50.957) contains.

CIELCh(99, 3.109, 96.791)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(99, 3.109, 96.791)

Conversions

Conversions Part 1

Format	Color
Hex	FEFCF6
RGB	254, 252, 246
RGB Percent	100%, 99%, 96%
CMY	0.0035, 0.0113, 0.0349
CMYK	0.00, 0.01, 0.03, 0.00
HSL	45°, 82%, 98%
HSV	45°, 3%, 100%
XYZ	92.4041, 97.4360, 101.2124
YIQ	251.9140, 3.1180, -1.4420

Conversions

Conversions Part 2

Format	Color
R_{YB}	249, 254, 246
Decimal	16710902
CIE Lab	99.00, -0.37, 3.09
CIE LCh	99, 3.109, 96.791
Yxy	97.4360, 0.3175, 0.3348
Android (android.graphics.Color)	4294900982 (0xFFFEFCF6)
YUV	251.9140, -2.9156, 1.8294
Hunter-Lab	98.7097, -5.6445, 8.3035

Details

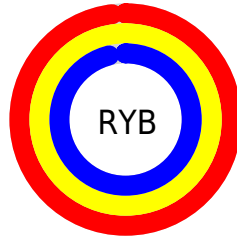
The CIELCh color 99, 3.109, 96.791 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98, 3.138, 277.715, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 2.751, 94.250 is the 20% darker color. If you saturate the color by 10%, you get 97, 13.118, 95.681, and if you desaturate by 10%, it is 100, 0.311, 201.514.

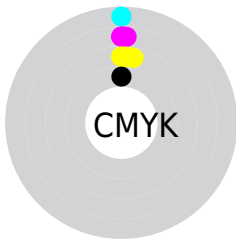
Distribution



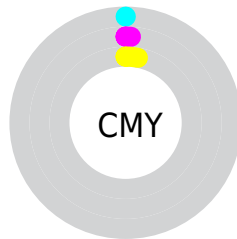
- Red (100%)
- Green (99%)
- Blue (96%)



- Red (98%)
- Yellow (100%)
- Blue (96%)



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



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 3.109, 96.791 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, 3.109, 96.791 by changing the saturation by 10% instead.

 99, 3.109, 96.791

 99, 3.109, 96.791

 100, 3.109, 96.791

 89, 3.109, 96.791

 79, 3.109, 96.791

 69, 3.109, 96.791

 59, 3.109, 96.791

 49, 3.109, 96.791

 39, 3.109, 96.791

 29, 3.109, 96.791

 19, 3.109, 96.791

 9, 3.109, 96.791

99, 3.109, 96.791

99, 3.109, 96.791

97, 13.118, 95.681

100, 0.311,
201.514

95, 23.234, 94.445

93, 33.414, 93.169

91, 43.568, 91.860

89, 53.528, 90.520

87, 62.994, 89.143

85, 71.458, 87.705

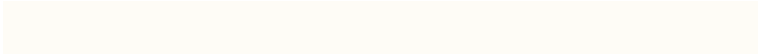
84, 78.158, 86.152

82, 82.222, 84.383

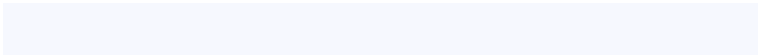
Harmonies

Complementary

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



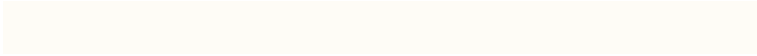
99, 3.109, 96.791



98, 3.138, 277.715

Rectangle

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



99, 3.109, 96.791



99, 3.109, 146.791



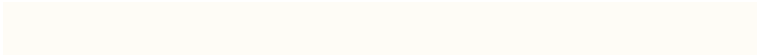
99, 3.109, 276.791



99, 3.109, 326.791

Sweetspot

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



99, 3.111, 96.829



100, 0.983, 96.926



98, 3.011, 359.613



53, 0.558, 96.920



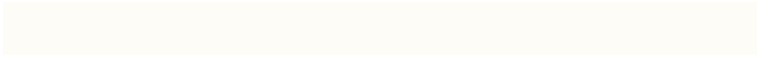
0, 0.000, 0.000



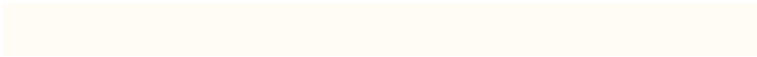
53, 0.007, 296.813

Same Dimension

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



99, 3.111, 96.829



99, 3.972, 96.743



99, 4.115, 119.724



53, 2.826, 96.663



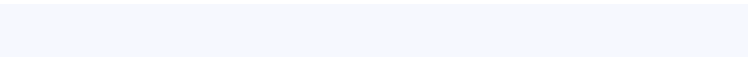
62, 67.524, 83.412



21, 29.461, 85.863

Inverse Universe

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



98, 3.138, 277.715



97, 4.003, 277.805



97, 4.162, 300.098



52, 2.846, 277.890



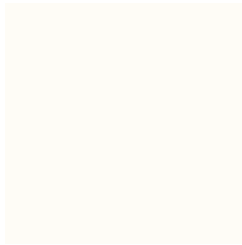
29, 89.112, 300.702



7, 35.678, 295.909

Previews

White Background



This preview shows how the CIE LCh color 99, 3.109, 96.791 looks on a white background.

Color Contrast Check

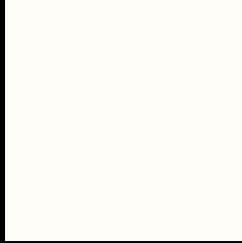
Large Text (above 18pt) WCAG AA × Fail

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, 3.109, 96.791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

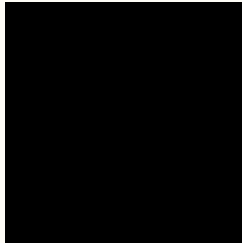
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 3.109, 96.791

Background



This preview shows how black text looks on a background with the CIELCh color 99, 3.109, 96.791.



This preview shows how white text looks on a background with the CIELCh color 99, 3.109, 96.791.

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, 3.112, 96.790

Protanopia

99, 1.836, 74.893

Deuteranopia

99, 1.502, 359.268

Tritanopia
99, 1.581, 303.066

Trichromacy

Original Color

99, 3.112, 96.790

Protanomaly

99, 2.272, 82.227

Deuteranomaly

99, 1.487, 38.999

Tritanomaly

99, 0.352, 17.560

Monochromacy

Original Color

99, 3.112, 96.790

Achromatopsia

99, 0.012, 296.813

Achromatomaly

99, 1.061, 90.708

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 3.109, 96.791 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(254, 252, 246)  
}
```

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, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 252, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 3.109, 96.791 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, 246) }
```

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

```
.border{ border-color:rgb(254, 252, 246) }
```

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, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 252, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 252, 246);  
box-shadow:4px 4px 4px 4px rgb(254, 252,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 3.109, 96.791 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, 246) }
```

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

```
.background{ background-color: rgb(254,  
252, 246) }
```

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