

Converting Colors

CIELCh(99, 16.148, 118.671)

Have a look what the booklet for
CIELCh(99, 16.148, 118.671)
contains.

CIELCh(99, 15.919, 118.191)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(99, 15.919, 118.191)

Conversions

Conversions Part 1

Format	Color
Hex	F9FFE1
RGB	249, 255, 225
RGB Percent	98%, 100%, 88%
CMY	0.0249, 0.0000, 0.1190
CMYK	0.02, 0.00, 0.12, 0.00
HSL	73°, 100%, 94%
HSV	73°, 12%, 100%
XYZ	88.4586, 97.4360, 85.1253
YIQ	249.7860, 6.0540, -10.6020

Conversions

Conversions Part 2

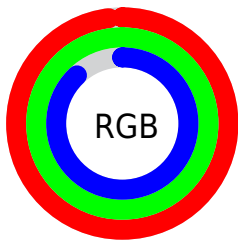
Format	Color
R_{YB}	225, 255, 231
Decimal	16383969
CIE _{Lab}	99.00, -7.52, 14.03
CIE _{LCh}	99, 15.919, 118.191
Yxy	97.4360, 0.3264, 0.3595
Android (android.graphics.Color)	4294574049 (0xFFFF9FFE1)
YUV	249.7860, -12.2195, -0.6893
Hunter-Lab	98.7097, -12.7794, 17.9662

Details

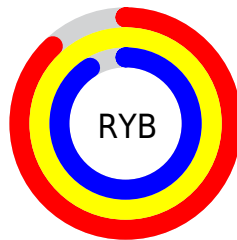
The CIELCh color **99, 15.919, 118.191** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **91, 15.958, 299.194**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 15.054, 117.612** is the 20% darker color. If you saturate the color by 10%, you get **98, 28.543, 116.846**, and if you desaturate by 10%, it is **100, 2.480, 118.217**.

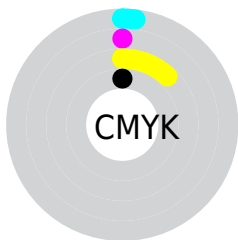
Distribution



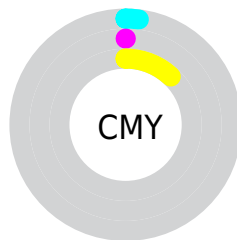
- Red (98%)
- Green (100%)
- Blue (88%)



- Red (88%)
- Yellow (100%)
- Blue (91%)



- Cyan (2%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 15.919, 118.191 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, 15.919, 118.191 by changing the saturation by 10% instead.


 99, 15.919,
118.191


 99, 15.919,
118.191


 100, 15.919,
118.191


 89, 15.919,
118.191


 79, 15.919,
118.191

 69, 15.919,
118.191

 59, 15.919,
118.191

 49, 15.919,
118.191

 39, 15.919,
118.191

 29, 15.919,

118.191

■ 19, 15.919,
118.191

■ 9, 15.919, 118.191

■ 99, 15.919,
118.191

■ 99, 15.919,
118.191

■ 98, 28.543,
116.846

■ 100, 2.480,
118.217

■ 97, 41.335,
116.163

■ 100, 0.012,
296.813

■ 96, 53.767,
115.511

■ 96, 65.594,
114.931

■ 95, 76.448,
114.481

■ 95, 85.815,
114.241

■ 94, 93.080,
114.307

■ 94, 97.742,
114.767

■ 93, 99.768,
115.415

Harmonies

Complementary

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



99, 15.919, 118.191



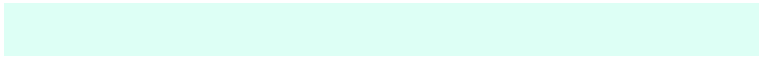
91, 15.958, 299.194

Rectangle

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



99, 15.919, 118.191



99, 15.919, 168.191



99, 15.919, 298.191



99, 15.919, 348.191

Sweetspot

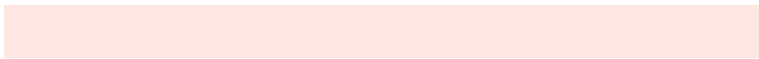
The Sweet Spot groups the original color and five complimentary colors.



99, 15.556, 117.535



100, 5.225, 118.073



93, 9.416, 39.197



53, 3.715, 118.022



0, 0.000, 0.000



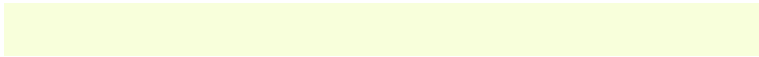
53, 0.007, 296.813

Same Dimension

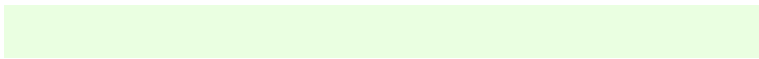
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 15.556, 117.535



99, 18.290, 117.391



98, 17.268, 135.222



53, 7.432, 117.699



72, 80.285, 115.218



25, 36.240, 114.167

Inverse Universe

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



91, 15.958, 299.194



89, 18.843, 299.362



92, 17.435, 316.226



49, 7.588, 299.008



24, 106.066, 307.318



4, 44.576, 305.723

Previews

White Background



This preview shows how the CIE LCh color 99, 15.919, 118.191 looks on a white background.

Color Contrast Check

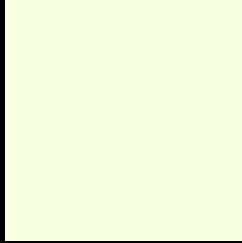
Large Text (above 18pt) WCAG AA × Fail

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, 15.919, 118.191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

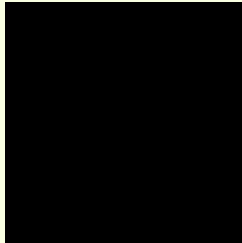
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

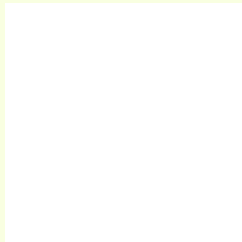
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 99, 15.919, 118.191

Background



This preview shows how black text looks on a background with the CIELCh color 99, 15.919, 118.191.

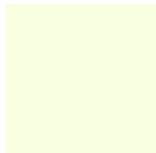


This preview shows how white text looks on a background with the CIELCh color 99, 15.919, 118.191.

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, 15.360, 117.190



Protanopia
99, 4.285, 90.474

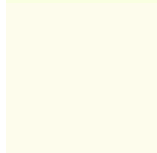
Deuteranopia
99, 1.723, 55.170

Tritanopia
99, 2.081, 299.989

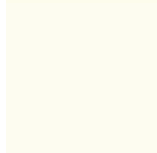
Trichromacy



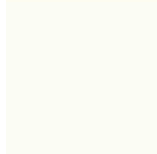
Original Color
99, 15.360, 117.190



Protanomaly
99, 8.121, 107.023

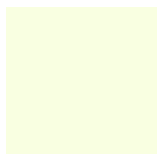


Deuteranomaly
99, 6.093, 106.351



Tritanomaly
99, 4.075, 114.834

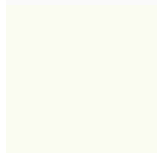
Monochromacy



Original Color
99, 15.360, 117.190



Achromatopsia
98, 0.011, 296.813



Achromatomaly
99, 5.633, 116.988

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 15.919, 118.191 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(249, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 225)  
}
```

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(249, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 15.919, 118.191 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(249, 255, 225) }
```

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

```
.border{ border-color:rgb(249, 255, 225) }
```

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

Here you see how a box with a 4 pixel rgb(249, 255, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 15.919, 118.191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 225) }
```

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

```
.background{ background-color: rgb(249,  
255, 225) }
```

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