

Converting Colors

CIELCh(99, 10.767, 119.223)

Have a look what the booklet for
CIELCh(99, 10.767, 119.223)
contains.

CIELCh(99, 10.874, 120.785)	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, 10.874, 120.785)

Conversions

Conversions Part 1

Format	Color
Hex	F9FFEA
RGB	249, 255, 234
RGB Percent	98%, 100%, 92%
CMY	0.0243, 0.0007, 0.0831
CMYK	0.02, 0.00, 0.08, 0.00
HSL	77°, 98%, 96%
HSV	77°, 8%, 100%
XYZ	89.5255, 97.4360, 91.7912
YIQ	250.8120, 3.1650, -7.8030

Conversions

Conversions Part 2

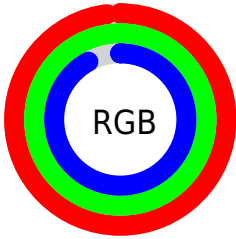
Format	Color
R_{YB}	234, 255, 240
Decimal	16383978
CIE _{Lab}	99.00, -5.57, 9.34
CIE _{LCh}	99, 10.874, 120.785
Y _{xy}	97.4360, 0.3212, 0.3495
Android (android.graphics.Color)	4294574058 (0xFFFF9FEEA)
YUV	250.8120, -8.2883, -1.5891
Hunter-Lab	98.7097, -10.8500, 13.9624

Details

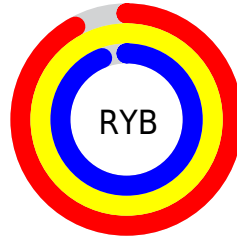
The CIELCh color 99, 10.874, 120.785 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 94, 11.065, 301.769, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 10.807, 119.290 is the 20% darker color. If you saturate the color by 10%, you get 98, 24.046, 120.186, and if you desaturate by 10%, it is 100, 0.123, 321.919.

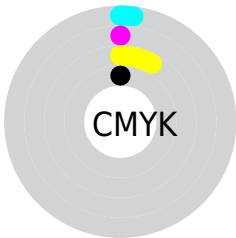
Distribution



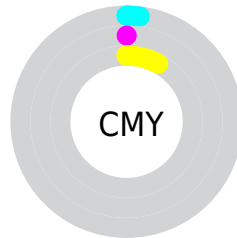
- Red (98%)
- Green (100%)
- Blue (92%)



- Red (92%)
- Yellow (100%)
- Blue (94%)



- Cyan (2%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 10.874, 120.785 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, 10.874, 120.785 by changing the saturation by 10% instead.


 99, 10.874,
120.785


 99, 10.874,
120.785

 100, 10.874,
120.785


 89, 10.874,
120.785

 79, 10.874,
120.785

 69, 10.874,
120.785

 59, 10.874,
120.785

 49, 10.874,
120.785

 39, 10.874,
120.785

 29, 10.874,

120.785

■ 19, 10.874,
120.785

■ 9, 10.874, 120.785

■ 99, 10.874,
120.785

■ 99, 10.874,
120.785

■ 98, 24.046,
120.186

100, 0.123,
321.919

■ 97, 37.079,
119.577

■ 96, 49.836,
118.988

■ 95, 62.104,
118.456

■ 95, 73.568,
118.035

■ 94, 83.775,
117.805

■ 93, 92.140,
117.872

■ 93, 98.088,
118.347

■ 92, 101.441,
119.282

Harmonies

Complementary

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



99, 10.874, 120.785



94, 11.065, 301.769

Rectangle

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



99, 10.874, 120.785



99, 10.874, 170.785



99, 10.874, 300.785



99, 10.874, 350.785

Sweetspot

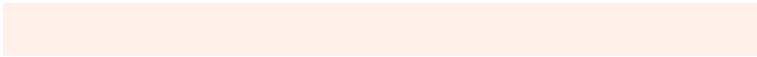
The Sweet Spot groups the original color and five complimentary colors.



99, 10.876, 120.792



100, 2.632, 121.174



96, 6.207, 48.916



53, 1.496, 121.181



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, 10.876, 120.792



99, 13.204, 120.686



98, 12.224, 137.955



53, 7.507, 120.716



71, 81.995, 119.223



24, 36.847, 117.891

Inverse Universe

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



94, 11.065, 301.769



92, 13.474, 301.885



94, 12.293, 318.653



49, 7.654, 301.852



25, 104.870, 308.127



4, 44.727, 307.381

Previews

White Background



This preview shows how the CIE LCh color 99, 10.874, 120.785 looks on a white background.

Color Contrast Check

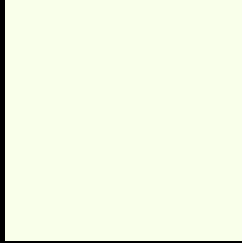
Large Text (above 18pt) WCAG AA × Fail

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, 10.874, 120.785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

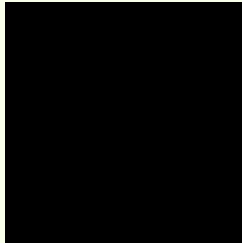
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 10.874, 120.785

Background



This preview shows how black text looks on a background with the CIELCh color 99, 10.874, 120.785.

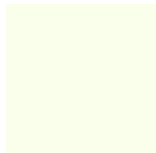


This preview shows how white text looks on a background with the CIELCh color 99, 10.874, 120.785.

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, 10.874, 120.785



Protanopia
99, 3.207, 90.598

Deuteranopia
99, 1.406, 19.030

Tritanopia
99, 1.537, 290.342


Trichromacy




Original Color
99, 10.874, 120.785



Protanomaly
99, 5.575, 109.745




Deuteranomaly
99, 3.560, 104.186



Tritanomaly
99, 3.126, 122.944

Monochromacy



Original Color
99, 10.874, 120.785



Achromatopsia
99, 0.012, 296.813



Achromatomaly
99, 3.625, 121.116

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 10.874, 120.785 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 10.874, 120.785 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, 234) }
```

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

```
.border{ border-color:rgb(249, 255, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 10.874, 120.785 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, 234) }
```

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

```
.background{ background-color: rgb(249,  
255, 234) }
```

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