

Converting Colors

CIELCh(99, 13.305, 122.513)

Have a look what the booklet for
CIELCh(99, 13.305, 122.513)
contains.

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Color

CIECh(99, 13.015, 122.010)

Conversions

Conversions Part 1

Format	Color
Hex	F7FFE6
RGB	247, 255, 230
RGB Percent	97%, 100%, 90%
CMY	0.0295, 0.0000, 0.0961
CMYK	0.03, 0.00, 0.10, 0.00
HSL	78°, 100%, 95%
HSV	78°, 10%, 100%
XYZ	88.7968, 97.4360, 89.3437
YIQ	249.7580, 3.2570, -9.4710

Conversions

Conversions Part 2

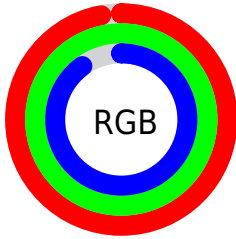
Format	Color
R_{YB}	230, 255, 238
Decimal	16252902
CIE _{Lab}	99.00, -6.90, 11.04
CIE _{LCh}	99, 13.015, 122.010
Yxy	97.4360, 0.3222, 0.3536
Android (android.graphics.Color)	4294442982 (0xFFFF7FFE6)
YUV	249.7580, -9.7407, -2.4188
Hunter-Lab	98.7097, -12.1677, 15.4325

Details

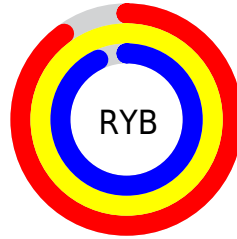
The CIELCh color **99, 13.015, 122.010** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93, 12.981, 302.607**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 13.044, 120.793** is the 20% darker color. If you saturate the color by 10%, you get **98, 25.947, 120.910**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

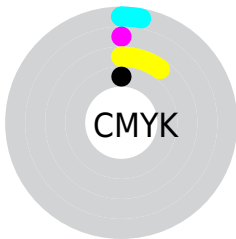
Distribution



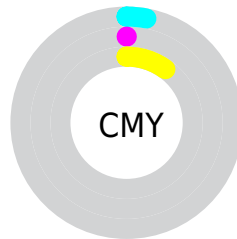
- Red (97%)
- Green (100%)
- Blue (90%)



- Red (90%)
- Yellow (100%)
- Blue (93%)



- Cyan (3%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (3%)
- Magenta (0%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 13.015, 122.010 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, 13.015, 122.010 by changing the saturation by 10% instead.


 99, 13.015,
122.010


 99, 13.015,
122.010


 100, 13.015,
122.010


 89, 13.015,
122.010


 79, 13.015,
122.010

 69, 13.015,
122.010

 59, 13.015,
122.010

 49, 13.015,
122.010

 39, 13.015,
122.010

 29, 13.015,

122.010

■ 19, 13.015,
122.010

■ 9, 13.015, 122.010

■ 99, 13.015,
122.010

■ 99, 13.015,
122.010

■ 98, 25.947,
120.910

100, 0.012,
296.813

■ 97, 39.011,
120.320

■ 96, 51.777,
119.754

■ 95, 64.023,
119.250

■ 94, 75.416,
118.868

■ 94, 85.482,
118.693

■ 93, 93.629,
118.836

■ 93, 99.303,
119.410

■ 92, 102.500,
120.432

Harmonies

Complementary

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



99, 13.015, 122.010



93, 12.981, 302.607

Rectangle

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



99, 13.015, 122.010



99, 13.015, 172.010



99, 13.015, 302.010



99, 13.015, 352.010

Sweetspot

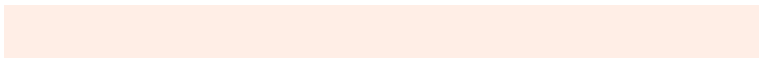
The Sweet Spot groups the original color and five complimentary colors.



99, 12.736, 121.498



100, 3.966, 121.887



95, 7.260, 50.845



53, 3.009, 121.839



0, 0.000, 0.000



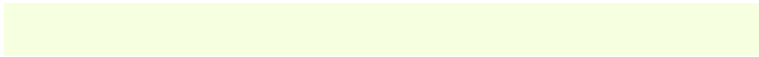
53, 0.007, 296.813

Same Dimension

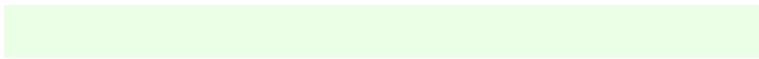
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 12.736, 121.498



99, 15.894, 121.359



98, 14.352, 138.379



53, 7.531, 121.505



71, 82.505, 120.219



24, 37.033, 118.831

Inverse Universe

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



93, 12.981, 302.607



91, 16.268, 302.762



94, 14.434, 319.222



49, 7.674, 302.600



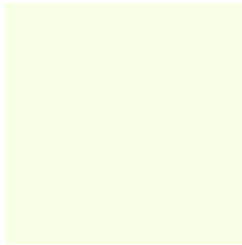
26, 104.508, 308.388



5, 44.765, 307.858

Previews

White Background



This preview shows how the CIE LCh color 99, 13.015, 122.010 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, 13.015, 122.010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

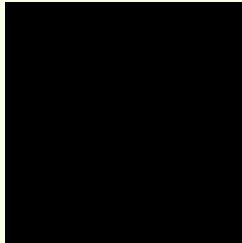
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

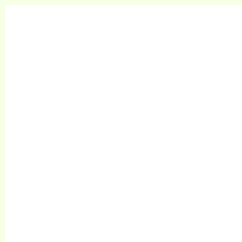
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 99, 13.015, 122.010

Background



This preview shows how black text looks on a background with the CIELCh color 99, 13.015, 122.010.

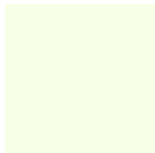


This preview shows how white text looks on a background with the CIELCh color 99, 13.015, 122.010.

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, 13.015, 122.010



Protanopia
99, 3.809, 88.002

Deuteranopia
99, 1.487, 38.999

Tritanopia
99, 2.081, 299.989

Trichromacy



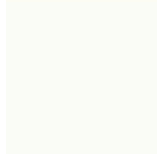
Original Color
99, 13.015, 122.010



Protanomaly
99, 6.595, 109.669



Deuteranomaly
99, 4.563, 109.817

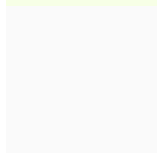


Tritanomaly
99, 3.128, 122.943

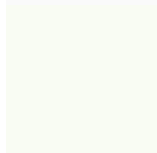
Monochromacy



Original Color
99, 13.015, 122.010



Achromatopsia
98, 0.011, 296.813



Achromatomaly
99, 4.699, 122.872

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 13.015, 122.010 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(247, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 230)  
}
```

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(247, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 13.015, 122.010 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(247, 255, 230) }
```

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

```
.border{ border-color:rgb(247, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 13.015, 122.010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 255, 230) }
```

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

```
.background{ background-color: rgb(247,  
255, 230) }
```

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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