

Converting Colors

CIELCh(99, 12.036, 123.733)

Have a look what the booklet for
CIELCh(99, 12.036, 123.733)
contains.

CIELCh(99, 12.029, 123.113)	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, 12.029, 123.113)

Conversions

Conversions Part 1

Format	Color
Hex	F7FFE8
RGB	247, 255, 232
RGB Percent	97%, 100%, 91%
CMY	0.0300, 0.0000, 0.0888
CMYK	0.03, 0.00, 0.09, 0.00
HSL	80°, 100%, 96%
HSV	80°, 9%, 100%
XYZ	88.9754, 97.4360, 90.7260
YIQ	249.9860, 2.6150, -8.8490

Conversions

Conversions Part 2

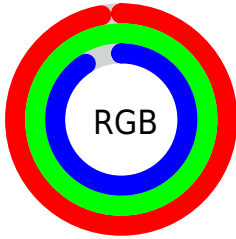
Format	Color
R _Y B	232, 255, 240
Decimal	16252904
CIE Lab	99.00, -6.57, 10.08
CIE LCh	99, 12.029, 123.113
Yxy	97.4360, 0.3211, 0.3516
Android (android.graphics.Color)	4294442984 (0xFFFF7FFE8)
YUV	249.9860, -8.8671, -2.6187
Hunter-Lab	98.7097, -11.8447, 14.6022

Details

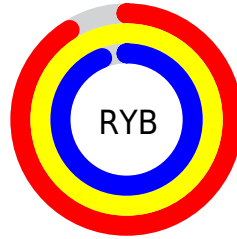
The CIELCh color **99, 12.029, 123.113** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93, 12.026, 303.692**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 12.008, 121.875** is the 20% darker color. If you saturate the color by 10%, you get **98, 25.115, 122.164**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

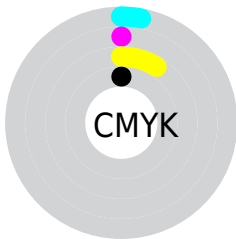
Distribution



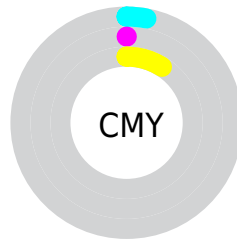
- Red (97%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (94%)



- Cyan (3%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (3%)
- Magenta (0%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 12.029, 123.113 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, 12.029, 123.113 by changing the saturation by 10% instead.


 99, 12.029,
123.113


 99, 12.029,
123.113


 100, 12.029,
123.113


 89, 12.029,
123.113

 79, 12.029,
123.113

 69, 12.029,
123.113

 59, 12.029,
123.113

 49, 12.029,
123.113

 39, 12.029,
123.113

 29, 12.029,

123.113

■ 19, 12.029,
123.113

■ 9, 12.029, 123.113

■ 99, 12.029,
123.113

■ 99, 12.029,
123.113

■ 98, 25.115,
122.164

100, 0.012,
296.813

■ 97, 38.276,
121.598

■ 96, 51.161,
121.052

■ 95, 63.551,
120.565

■ 94, 75.123,
120.194

■ 93, 85.418,
120.026

■ 93, 93.848,
120.175

■ 92, 99.849,
120.758

■ 92, 103.317,
121.813

Harmonies

Complementary

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



99, 12.029, 123.113



93, 12.026, 303.692

Rectangle

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



99, 12.029, 123.113



99, 12.029, 173.113



99, 12.029, 303.113



99, 12.029, 353.113

Sweetspot

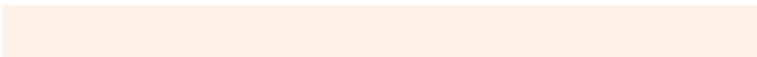
The Sweet Spot groups the original color and five complimentary colors.



99, 11.821, 122.726



100, 3.986, 123.058



96, 6.667, 54.904



53, 3.023, 123.011



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, 11.821, 122.726



99, 14.645, 122.608



98, 13.385, 139.391



53, 7.569, 122.691



71, 83.315, 121.674



24, 37.331, 120.214

Inverse Universe

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



93, 12.026, 303.692



92, 14.951, 303.821



94, 13.448, 320.186



49, 7.708, 303.730



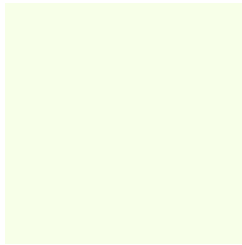
26, 103.929, 308.822



5, 44.817, 308.606

Previews

White Background



This preview shows how the CIE LCh color 99, 12.029, 123.113 looks on a white background.

Color Contrast Check

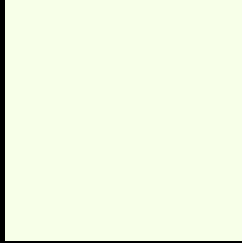
Large Text (above 18pt) WCAG AA × Fail

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, 12.029, 123.113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

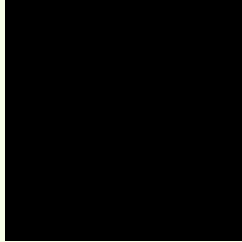
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

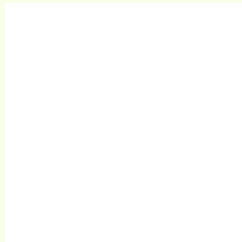
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 99, 12.029, 123.113

Background



This preview shows how black text looks on a background with the CIELCh color 99, 12.029, 123.113.

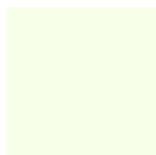


This preview shows how white text looks on a background with the CIELCh color 99, 12.029, 123.113.

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, 12.029, 123.113



Protanopia
99, 3.341, 84.820

Deuteranopia
99, 1.487, 38.999

Tritanopia
99, 2.081, 299.989

Trichromacy



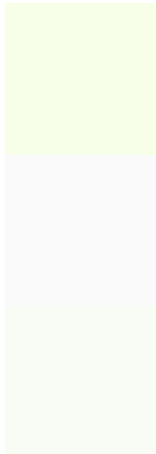
Original Color
99, 12.029, 123.113

Protanomaly
99, 6.087, 109.706

Deuteranomaly
99, 4.055, 109.853

Tritanomaly
99, 2.635, 125.443

Monochromacy



Original Color
99, 12.029, 123.113

Achromatopsia
98, 0.011, 296.813

Achromatomaly
99, 4.205, 124.449

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 12.029, 123.113 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 12.029, 123.113 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, 232) }
```

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

```
.border{ border-color:rgb(247, 255, 232) }
```

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, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 12.029, 123.113 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, 232) }
```

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

```
.background{ background-color: rgb(247,  
255, 232) }
```

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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