

Converting Colors

CIELCh(99, 13.710, 112.177)

Have a look what the booklet for
CIELCh(99, 13.710, 112.177)
contains.

CIELCh(99, 13.700, 112.180)	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, 13.700, 112.180)

Conversions

Conversions Part 1

Format	Color
Hex	FCFEE3
RGB	252, 254, 227
RGB Percent	99%, 100%, 89%
CMY	0.0104, 0.0025, 0.1084
CMYK	0.01, 0.00, 0.11, 0.00
HSL	64°, 95%, 94%
HSV	64°, 11%, 100%
XYZ	89.7413, 97.4360, 87.0024
YIQ	250.3240, 7.4750, -8.8210

Conversions

Conversions Part 2

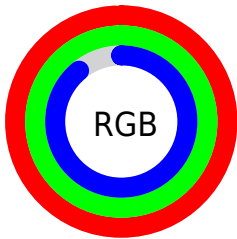
Format	Color
R_{YB}	227, 254, 229
Decimal	16580323
CIE _{Lab}	99.00, -5.17, 12.69
CIE _{LCh}	99, 13.700, 112.180
Yxy	97.4360, 0.3273, 0.3554
Android (android.graphics.Color)	4294770403 (0xFFFCFEE3)
YUV	250.3240, -11.4987, 1.4699
Hunter-Lab	98.7097, -10.4598, 16.8388

Details

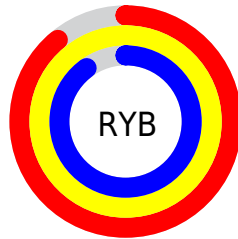
The CIELCh color **99, 13.700, 112.180** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **91, 14.044, 294.077**, and the grayscale version is **99, 0.012, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 13.306, 112.263** is the 20% darker color. If you saturate the color by 10%, you get **98, 26.523, 111.322**, and if you desaturate by 10%, it is **100, 0.789, 112.990**.

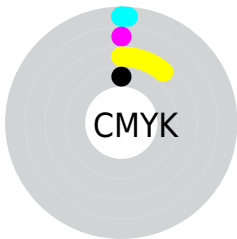
Distribution



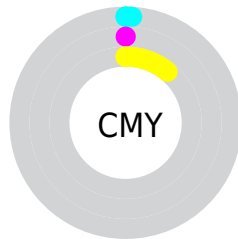
- Red (99%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (90%)



- Cyan (1%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (1%)
- Magenta (0%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 13.700, 112.180 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, 13.700, 112.180 by changing the saturation by 10% instead.


 99, 13.700,
112.180


 99, 13.700,
112.180


 100, 13.700,
112.180


 89, 13.700,
112.180

 79, 13.700,
112.180

 69, 13.700,
112.180

 59, 13.700,
112.180

 49, 13.700,
112.180

 39, 13.700,
112.180

 29, 13.700,

112.180

■ 19, 13.700,
112.180

■ 9, 13.700, 112.180

■ 99, 13.700,
112.180

■ 99, 13.700,
112.180

■ 98, 26.523,
111.322

■ 100, 0.789,
112.990

■ 98, 39.152,
110.460

■ 100, 0.406,
323.694

■ 97, 51.434,
109.624

■ 97, 63.133,
108.846

■ 96, 73.888,
108.167

■ 96, 83.193,
107.642

■ 96, 90.429,
107.333

■ 96, 95.059,
107.295

■ 96, 97.135,
107.500

Harmonies

Complementary

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



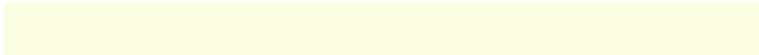
99, 13.700, 112.180



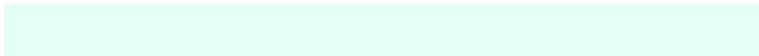
91, 14.044, 294.077

Rectangle

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



99, 13.700, 112.180



99, 13.700, 162.180



99, 13.700, 292.180



99, 13.700, 342.180

Sweetspot

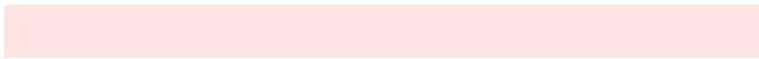
The Sweet Spot groups the original color and five complimentary colors.



99, 13.702, 112.187



100, 3.876, 112.832



93, 9.227, 25.710



53, 2.940, 112.766



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, 13.702, 112.187



99, 16.800, 111.982



98, 14.821, 130.916



53, 7.352, 112.283



74, 78.375, 107.422



25, 35.603, 107.086

Inverse Universe

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



91, 14.044, 294.077



90, 17.309, 294.319



92, 15.016, 311.810



49, 7.518, 293.967



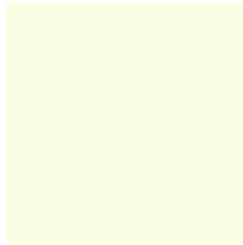
23, 107.400, 306.504



4, 44.303, 303.231

Previews

White Background



This preview shows how the CIELCh color 99, 13.700, 112.180 looks on a white background.

Color Contrast Check

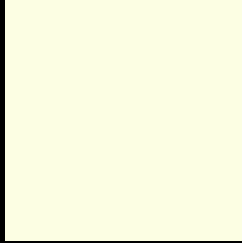
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 99, 13.700, 112.180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

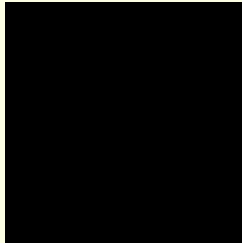
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 13.700, 112.180

Background



This preview shows how black text looks on a background with the CIELCh color 99, 13.700, 112.180.



This preview shows how white text looks on a background with the CIELCh color 99, 13.700, 112.180.

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, 13.700, 112.180

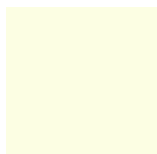


Protanopia
99, 3.691, 93.151

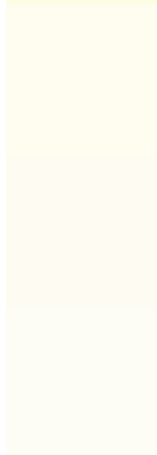
Deuteranopia
99, 1.487, 38.999

Tritanopia
99, 2.171, 309.072

Trichromacy



Original Color
99, 13.700, 112.180



Protanomaly
99, 7.102, 106.748

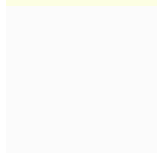
Deuteranomaly
99, 5.113, 101.781

Tritanomaly
99, 3.560, 104.186

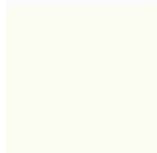
Monochromacy



Original Color
99, 13.700, 112.180



Achromatopsia
99, 0.012, 296.813



Achromatomaly
99, 5.088, 113.780

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 13.700, 112.180 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(252, 254, 227)` looks like.

```
.text, #text, p{  
    color:rgb(252, 254, 227)  
}
```

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(252, 254, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 254, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 13.700, 112.180 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(252, 254, 227) }
```

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

```
.border{ border-color:rgb(252, 254, 227) }
```

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

Here you see how a box with a 4 pixel rgb(252, 254, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 254, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 254, 227);  
box-shadow:4px 4px 4px 4px rgb(252, 254,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 13.700, 112.180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 254, 227) }
```

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

```
.background{ background-color: rgb(252,  
254, 227) }
```

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