

Converting Colors

CIELCh(99, 13.649, 117.016)

Have a look what the booklet for
CIELCh(99, 13.649, 117.016)
contains.

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Color

CIElCh(99, 13.804, 116.680)

Conversions

Conversions Part 1

Format	Color
Hex	FAFFE4
RGB	250, 255, 228
RGB Percent	98%, 100%, 89%
CMY	0.0196, 0.0000, 0.1059
CMYK	0.02, 0.00, 0.11, 0.00
HSL	71°, 100%, 95%
HSV	71°, 11%, 100%
XYZ	89.1793, 97.4360, 87.4983
YIQ	250.4270, 5.6870, -9.4570

Conversions

Conversions Part 2

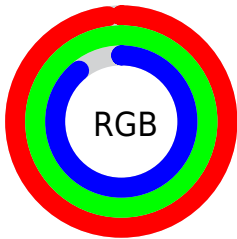
Format	Color
R _Y B	228, 255, 233
Decimal	16449508
CIE Lab	99.00, -6.20, 12.33
CIE LCh	99, 13.804, 116.680
Yxy	97.4360, 0.3253, 0.3555
Android (android.graphics.Color)	4294639588 (0xFFFAFFE4)
YUV	250.4270, -11.0565, -0.3745
Hunter-Lab	98.7097, -11.4761, 16.5409

Details

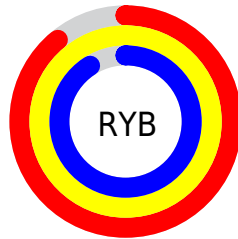
The CIELCh color **99, 13.804, 116.680** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **92, 14.132, 298.219**, and the grayscale version is **98, 0.012, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 13.423, 117.143** is the 20% darker color. If you saturate the color by 10%, you get **98, 26.773, 115.970**, and if you desaturate by 10%, it is **100, 0.759, 117.397**.

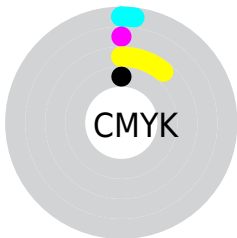
Distribution



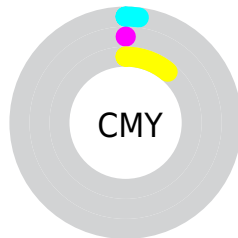
- Red (98%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (91%)



- Cyan (2%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (2%)
- Magenta (0%)
- Yellow (11%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 13.804, 116.680 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, 13.804, 116.680 by changing the saturation by 10% instead.


 99, 13.804,
116.680


 99, 13.804,
116.680

 100, 13.804,
116.680

 89, 13.804,
116.680

 79, 13.804,
116.680

 69, 13.804,
116.680

 59, 13.804,
116.680

 49, 13.804,
116.680

 39, 13.804,
116.680

 29, 13.804,

116.680

■ 19, 13.804,
116.680

■ 9, 13.804, 116.680

■ 99, 13.804,
116.680

■ 99, 13.804,
116.680

■ 98, 26.773,
115.970

■ 100, 0.759,
117.397

■ 97, 39.557,
115.257

■ 100, 0.014,
302.177

■ 97, 52.003,
114.571

■ 96, 63.879,
113.951

■ 95, 74.833,
113.448

■ 95, 84.366,
113.136

■ 95, 91.869,
113.106

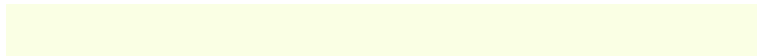
■ 94, 96.805,
113.445

■ 94, 99.199,
114.099

Harmonies

Complementary

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



99, 13.804, 116.680



92, 14.132, 298.219

Rectangle

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



99, 13.804, 116.680



99, 13.804, 166.680



99, 13.804, 296.680



99, 13.804, 346.680

Sweetspot

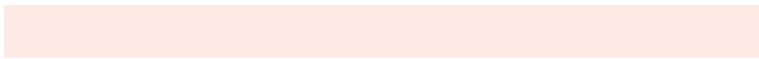
The Sweet Spot groups the original color and five complimentary colors.



99, 13.806, 116.686



100, 3.907, 117.222



94, 8.415, 37.374



53, 2.963, 117.166



0, 0.000, 0.000



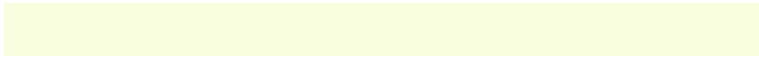
53, 0.007, 296.813

Same Dimension

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



99, 13.806, 116.686



99, 16.942, 116.514



98, 15.281, 134.758



53, 7.413, 116.763



73, 79.842, 113.920



25, 36.086, 112.975

Inverse Universe

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



92, 14.132, 298.219



90, 17.428, 298.417



93, 15.425, 315.636



49, 7.572, 298.132



24, 106.372, 307.124



4, 44.529, 305.265

Previews

White Background



This preview shows how the CIE LCh color 99, 13.804, 116.680 looks on a white background.

Color Contrast Check

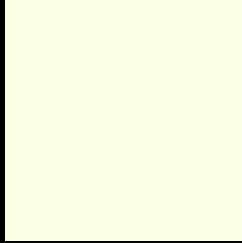
Large Text (above 18pt) WCAG AA × Fail

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, 13.804, 116.680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

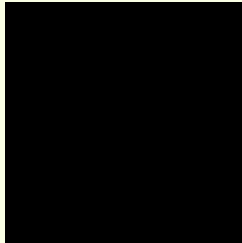
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 13.804, 116.680

Background



This preview shows how black text looks on a background with the CIELCh color 99, 13.804, 116.680.



This preview shows how white text looks on a background with the CIELCh color 99, 13.804, 116.680.

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, 13.804, 116.680



Protanopia
99, 3.691, 93.151

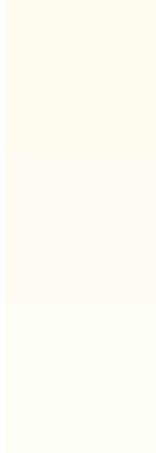
Deuteranopia
99, 1.487, 38.999

Tritanopia
99, 1.581, 303.066

Trichromacy



Original Color
99, 13.804, 116.680



Protanomaly
99, 7.097, 109.633

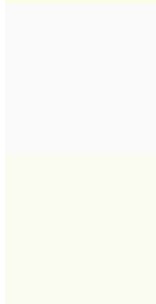
Deuteranomaly
99, 5.079, 105.767

Tritanomaly
99, 4.072, 114.835

Monochromacy



Original Color
99, 13.804, 116.680



Achromatopsia
98, 0.011, 296.813

Achromatomaly
99, 5.129, 117.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 13.804, 116.680 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(250, 255, 228)` looks like.

```
.text, #text, p{  
    color:rgb(250, 255, 228)  
}
```

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(250, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 255, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 13.804, 116.680 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(250, 255, 228) }
```

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

```
.border{ border-color:rgb(250, 255, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 255, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(250, 255,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 13.804, 116.680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 255, 228) }
```

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

```
.background{ background-color: rgb(250,  
255, 228) }
```

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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