

Converting Colors

CIELCh(99, 18.160, 119.597)

Have a look what the booklet for
CIELCh(99, 18.160, 119.597)
contains.

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Color

CIELCh(99, 17.477, 118.490)

Conversions

Conversions Part 1

Format	Color
Hex	F8FFDE
RGB	248, 255, 222
RGB Percent	97%, 100%, 87%
CMY	0.0272, 0.0000, 0.1293
CMYK	0.03, 0.00, 0.13, 0.00
HSL	73°, 100%, 94%
HSV	73°, 13%, 100%
XYZ	88.0156, 97.4360, 83.2953
YIQ	249.1450, 6.4210, -11.7470

Conversions

Conversions Part 2

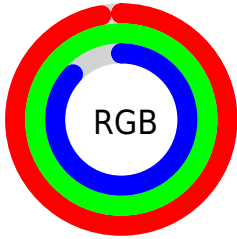
Format	Color
R_{YB}	222, 255, 229
Decimal	16318430
CIE _{Lab}	99.00, -8.34, 15.36
CIE _{LCh}	99, 17.477, 118.490
Yxy	97.4360, 0.3275, 0.3626
Android (android.graphics.Color)	4294508510 (0xFFFF8FFDE)
YUV	249.1450, -13.3825, -1.0042
Hunter-Lab	98.7097, -13.5805, 19.0655

Details

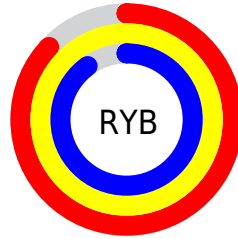
The CIELCh color **99, 17.477, 118.490** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **90, 17.370, 299.343**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 16.622, 116.673** is the 20% darker color. If you saturate the color by 10%, you get **98, 29.874, 116.851**, and if you desaturate by 10%, it is **100, 3.825, 118.217**.

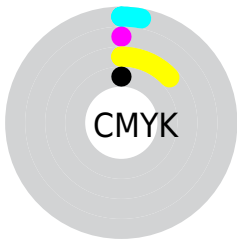
Distribution



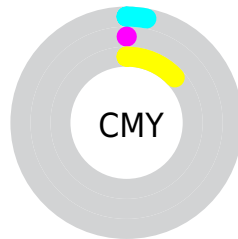
- Red (97%)
- Green (100%)
- Blue (87%)



- Red (87%)
- Yellow (100%)
- Blue (90%)



- Cyan (3%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)



- Cyan (3%)
- Magenta (0%)
- Yellow (13%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 17.477, 118.490 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, 17.477, 118.490 by changing the saturation by 10% instead.

 99, 17.477,
118.490

 99, 17.477,
118.490

 100, 17.477,
118.490

 89, 17.477,
118.490


 79, 17.477,
118.490

 69, 17.477,
118.490

 59, 17.477,
118.490

 49, 17.477,
118.490

 39, 17.477,
118.490

 29, 17.477,

118.490

■ 19, 17.477,
118.490

■ 9, 17.477, 118.490

■ 99, 17.477,
118.490

■ 99, 17.477,
118.490

■ 98, 29.874,
116.851

■ 100, 3.825,
118.217

■ 97, 42.641,
116.172

■ 100, 0.012,
296.813

■ 96, 55.028,
115.527

■ 96, 66.779,
114.960

■ 95, 77.511,
114.530

■ 95, 86.696,
114.320

■ 94, 93.718,
114.426

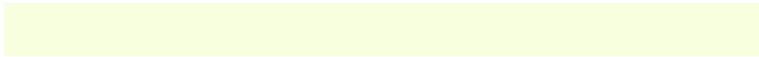
■ 94, 98.107,
114.936

■ 93, 99.815,
115.517

Harmonies

Complementary

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



99, 17.477, 118.490



90, 17.370, 299.343

Rectangle

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



99, 17.477, 118.490



99, 17.477, 168.490



99, 17.477, 298.490



99, 17.477, 348.490

Sweetspot

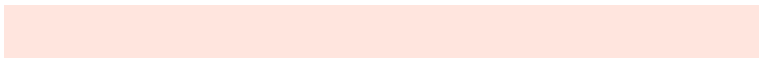
The Sweet Spot groups the original color and five complimentary colors.



99, 16.898, 117.538



100, 5.226, 118.145



93, 10.272, 39.191



53, 3.715, 118.094



0, 0.000, 0.000



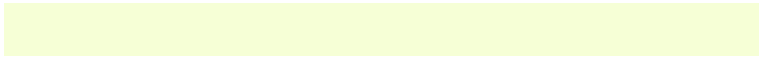
53, 0.007, 296.813

Same Dimension

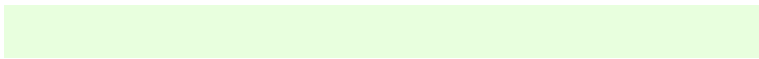
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 16.898, 117.538



98, 20.897, 117.328



98, 18.764, 135.172



53, 7.434, 117.772



72, 80.322, 115.318



25, 36.252, 114.259

Inverse Universe

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



90, 17.370, 299.343



88, 21.621, 299.593



91, 18.958, 316.272



49, 7.590, 299.077



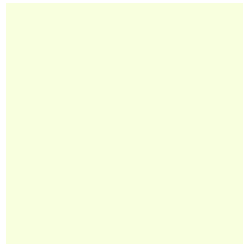
24, 106.041, 307.334



4, 44.579, 305.760

Previews

White Background



This preview shows how the CIE LCh color 99, 17.477, 118.490 looks on a white background.

Color Contrast Check

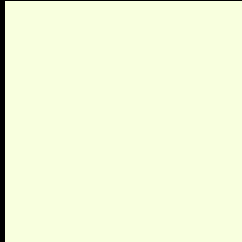
Large Text (above 18pt) WCAG AA × Fail

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, 17.477, 118.490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

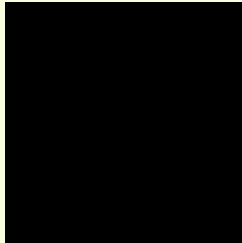
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 17.477, 118.490

Background



This preview shows how black text looks on a background with the CIELCh color 99, 17.477, 118.490.

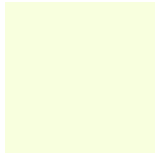


This preview shows how white text looks on a background with the CIELCh color 99, 17.477, 118.490.

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, 16.916, 117.593



Protanopia
99, 4.769, 92.440

Deuteranopia
99, 1.825, 35.311

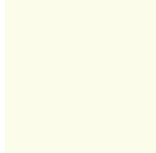
Tritanopia

99, 2.081, 299.989

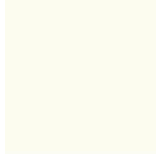
Trichromacy



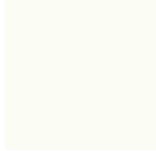
Original Color
99, 16.916, 117.593



Protanomaly
99, 8.625, 109.517

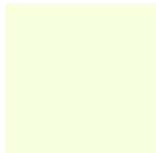


Deuteranomaly
99, 6.595, 109.669

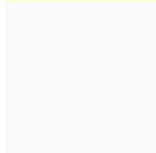


Tritanomaly
99, 4.581, 114.253

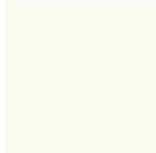
Monochromacy



Original Color
99, 16.916, 117.593



Achromatopsia
98, 0.011, 296.813



Achromatomaly
98, 6.142, 116.362

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 17.477, 118.490 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(248, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(248, 255, 222)  
}
```

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(248, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 17.477, 118.490 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(248, 255, 222) }
```

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

```
.border{ border-color:rgb(248, 255, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(248, 255,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 17.477, 118.490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 255, 222) }
```

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

```
.background{ background-color: rgb(248,  
255, 222) }
```

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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