

Converting Colors

CIELCh(99, 13.102, 118.452)

Have a look what the booklet for
CIELCh(99, 13.102, 118.452)
contains.

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Color

CIElCh(99, 12.864, 118.907)

Conversions

Conversions Part 1

Format	Color
Hex	F9FFE6
RGB	249, 255, 230
RGB Percent	98%, 100%, 90%
CMY	0.0232, 0.0000, 0.0978
CMYK	0.02, 0.00, 0.10, 0.00
HSL	74°, 100%, 95%
HSV	74°, 10%, 100%
XYZ	89.1682, 97.4360, 89.0219
YIQ	250.3560, 4.4490, -9.0470

Conversions

Conversions Part 2

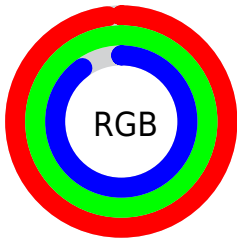
Format	Color
R _Y B	230, 255, 236
Decimal	16383974
CIE Lab	99.00, -6.22, 11.26
CIE LCh	99, 12.864, 118.907
Yxy	97.4360, 0.3235, 0.3535
Android (android.graphics.Color)	4294574054 (0xFFFF9FFE6)
YUV	250.3560, -10.0355, -1.1892
Hunter-Lab	98.7097, -11.4961, 15.6257

Details

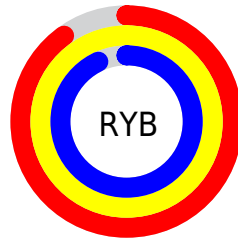
The CIELCh color **99, 12.864, 118.907** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92, 13.092, 300.099**, and the grayscale version is **98, 0.012, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 12.899, 117.510** is the 20% darker color. If you saturate the color by 10%, you get **98, 25.888, 118.166**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

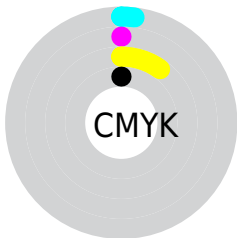
Distribution



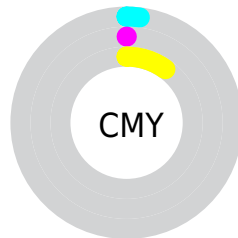
- Red (98%)
- Green (100%)
- Blue (90%)



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



- Cyan (2%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (10%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 12.864, 118.907 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, 12.864, 118.907 by changing the saturation by 10% instead.


 99, 12.864,
118.907


 99, 12.864,
118.907

 100, 12.864,
118.907


 89, 12.864,
118.907

 79, 12.864,
118.907

 69, 12.864,
118.907

 59, 12.864,
118.907

 49, 12.864,
118.907

 39, 12.864,
118.907

 29, 12.864,

118.907

■ 19, 12.864,
118.907

■ 9, 12.864, 118.907

■ 99, 12.864,
118.907

■ 99, 12.864,
118.907

■ 98, 25.888,
118.166

100, 0.012,
296.813

■ 97, 38.789,
117.511

■ 96, 51.376,
116.882

■ 96, 63.424,
116.315

■ 95, 74.597,
115.867

■ 94, 84.413,
115.616

■ 94, 92.271,
115.663

■ 93, 97.619,
116.107

■ 93, 100.479,
116.962

Harmonies

Complementary

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



99, 12.864, 118.907



92, 13.092, 300.099

Rectangle

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



99, 12.864, 118.907



99, 12.864, 168.907



99, 12.864, 298.907



99, 12.864, 348.907

Sweetspot

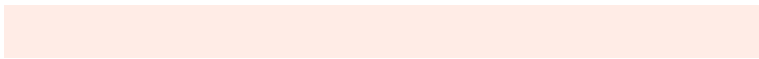
The Sweet Spot groups the original color and five complimentary colors.



99, 12.823, 118.821



100, 3.929, 119.261



95, 7.538, 42.985



53, 2.980, 119.209



0, 0.000, 0.000



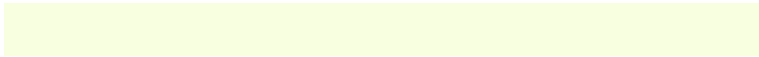
53, 0.007, 296.813

Same Dimension

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



99, 12.823, 118.821



99, 15.738, 118.676



98, 14.306, 136.362



53, 7.458, 118.839



72, 80.883, 116.765



25, 36.450, 115.597

Inverse Universe

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



92, 13.092, 300.099



91, 16.137, 300.263



93, 14.412, 317.181



49, 7.611, 300.079



25, 105.651, 307.590



4, 44.633, 306.318

Previews

White Background



This preview shows how the CIE LCh color 99, 12.864, 118.907 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, 12.864, 118.907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

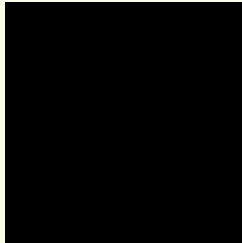
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 12.864, 118.907

Background



This preview shows how black text looks on a background with the CIELCh color 99, 12.864, 118.907.

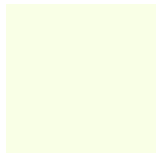


This preview shows how white text looks on a background with the CIELCh color 99, 12.864, 118.907.

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, 12.864, 118.907

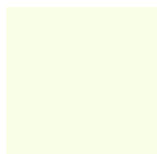


Protanopia
99, 3.691, 93.151

Deuteranopia
99, 1.487, 38.999

Tritanopia
99, 1.537, 290.342

Trichromacy



Original Color
99, 12.864, 118.907



Protanomaly
99, 6.590, 109.670

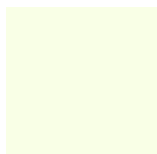


Deuteranomaly
99, 4.573, 105.365



Tritanomaly
99, 3.623, 121.117

Monochromacy



Original Color
99, 12.864, 118.907



Achromatopsia
98, 0.011, 296.813



Achromatomaly
99, 4.627, 118.621

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 12.864, 118.907 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(249, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(249, 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(249, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 12.864, 118.907 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(249, 255, 230) }
```

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

```
.border{ border-color:rgb(249, 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(249, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 12.864, 118.907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 230) }
```

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

```
.background{ background-color: rgb(249,  
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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