

Converting Colors

CIELCh(100, 22.199, 122.016)

Have a look what the booklet for
CIELCh(100, 22.199, 122.016)
contains.

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Color

CIELCh(99, 18.970, 117.650)

Conversions

Conversions Part 1

Format	Color
Hex	F8FFDB
RGB	248, 255, 219
RGB Percent	97%, 100%, 86%
CMY	0.0265, 0.0000, 0.1404
CMYK	0.03, 0.00, 0.14, 0.00
HSL	71°, 100%, 93%
HSV	71°, 14%, 100%
XYZ	87.7629, 97.4360, 81.3394
YIQ	248.8030, 7.3840, -12.6800

Conversions

Conversions Part 2

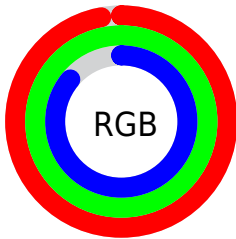
Format	Color
R_{YB}	219, 255, 226
Decimal	16318427
CIE Lab	99.00, -8.80, 16.80
CIE LCh	99, 18.970, 117.650
Yxy	97.4360, 0.3293, 0.3656
Android (android.graphics.Color)	4294508507 (0xFFF8FFDB)
YUV	248.8030, -14.6929, -0.7042
Hunter-Lab	98.7097, -14.0374, 20.2403

Details

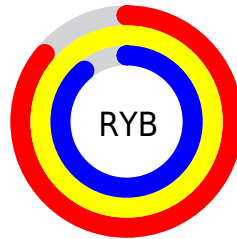
The CIELCh color **99, 18.970, 117.650** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **89, 18.862, 298.639**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 18.249, 117.068** is the 20% darker color. If you saturate the color by 10%, you get **98, 31.221, 115.876**, and if you desaturate by 10%, it is **100, 5.263, 117.293**.

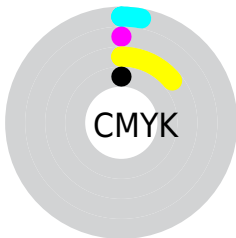
Distribution



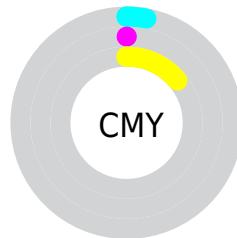
- Red (97%)
- Green (100%)
- Blue (86%)



- Red (86%)
- Yellow (100%)
- Blue (89%)



- Cyan (3%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)



- Cyan (3%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 18.970, 117.650 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, 18.970, 117.650 by changing the saturation by 10% instead.

99, 18.970,
117.650

99, 18.970,
117.650

100, 18.970,
117.650

89, 18.970,
117.650

79, 18.970,
117.650

69, 18.970,
117.650

59, 18.970,
117.650

49, 18.970,
117.650

39, 18.970,
117.650

29, 18.970,

117.650

■ 19, 18.970,
117.650

■ 9, 18.970, 117.650

■ 99, 18.970,
117.650

■ 99, 18.970,
117.650

■ 98, 31.221,
115.876

■ 100, 5.263,
117.293

■ 97, 43.915,
115.173

100, 0.012,
296.813

■ 96, 56.204,
114.510

■ 96, 67.816,
113.927

■ 95, 78.352,
113.486

■ 95, 87.267,
113.268

■ 94, 93.944,
113.365

■ 94, 97.950,
113.856

■ 94, 99.285,
114.307

Harmonies

Complementary

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



99, 18.970, 117.650



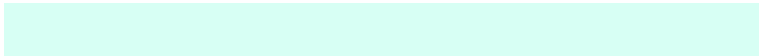
89, 18.862, 298.639

Rectangle

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



99, 18.970, 117.650



99, 18.970, 167.650



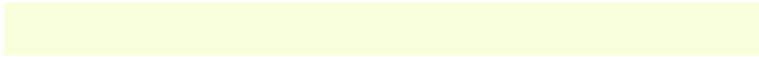
99, 18.970, 297.650



99, 18.970, 347.650

Sweetspot

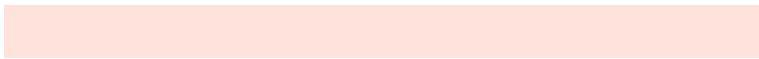
The Sweet Spot groups the original color and five complimentary colors.



99, 18.297, 116.589



100, 5.215, 117.296



92, 11.316, 37.383



53, 3.707, 117.243



0, 0.000, 0.000



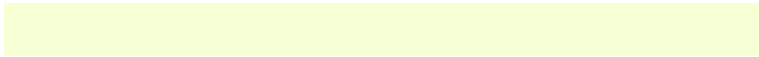
53, 0.007, 296.813

Same Dimension

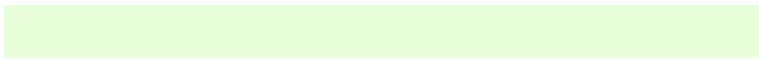
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 18.297, 116.589



98, 22.142, 116.378



97, 20.282, 134.593



53, 7.416, 116.910



72, 79.908, 114.124



25, 36.109, 113.162

Inverse Universe

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



89, 18.862, 298.639



87, 22.974, 298.895



90, 20.521, 315.790



49, 7.574, 298.269



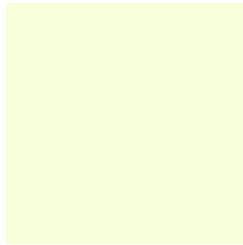
24, 106.326, 307.152



4, 44.536, 305.335

Previews

White Background



This preview shows how the CIELCh color 99, 18.970, 117.650 looks on a white background.

Color Contrast Check

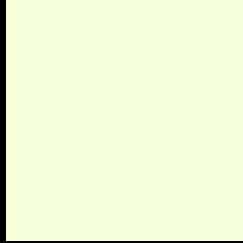
Large Text (above 18pt) WCAG AA × Fail

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, 18.970, 117.650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

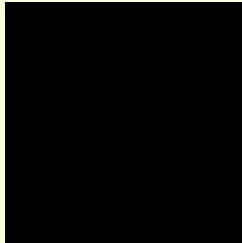
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

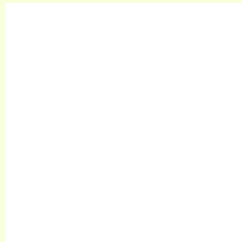
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 99, 18.970, 117.650

Background



This preview shows how black text looks on a background with the CIELCh color 99, 18.970, 117.650.

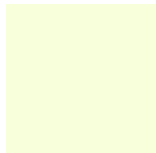


This preview shows how white text looks on a background with the CIELCh color 99, 18.970, 117.650.

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, 18.413, 116.802



Protanopia
99, 5.257, 94.035

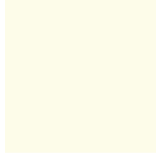
Deuteranopia
99, 2.022, 49.321

Tritanopia
99, 2.660, 305.559

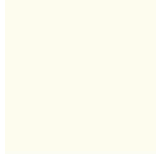
Trichromacy



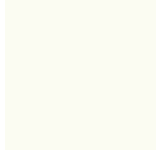
Original Color
99, 18.413, 116.802



Protanomaly
99, 9.642, 107.299



Deuteranomaly
99, 7.107, 106.746

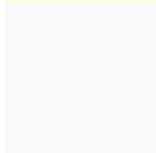


Tritanomaly
99, 5.088, 113.780

Monochromacy



Original Color
99, 18.413, 116.802



Achromatopsia
98, 0.011, 296.813



Achromatomaly
98, 6.647, 115.826

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 18.970, 117.650 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(248, 255, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 18.970, 117.650 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, 219) }
```

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

```
.border{ border-color:rgb(248, 255, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(248, 255,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 18.970, 117.650 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, 219) }
```

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

```
.background{ background-color: rgb(248,  
255, 219) }
```

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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