

Converting Colors

CIELCh(100, 23.358, 121.095)

Have a look what the booklet for
CIELCh(100, 23.358, 121.095)
contains.

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Color

CIElCh(99, 19.966, 117.150)

Conversions

Conversions Part 1

Format	Color
Hex	F8FFD9
RGB	248, 255, 217
RGB Percent	97%, 100%, 85%
CMY	0.0261, 0.0000, 0.1478
CMYK	0.03, 0.00, 0.15, 0.00
HSL	71°, 100%, 93%
HSV	71°, 15%, 100%
XYZ	87.5967, 97.4360, 80.0521
YIQ	248.5750, 8.0260, -13.3020

Conversions

Conversions Part 2

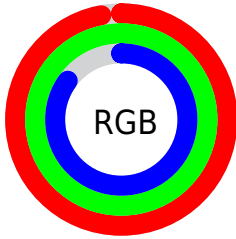
Format	Color
RYB	217, 255, 224
Decimal	16318425
CIELab	99.00, -9.11, 17.77
CIELCh	99, 19.966, 117.150
Yxy	97.4360, 0.3304, 0.3676
Android (android.graphics.Color)	4294508505 (0xFFF8FFD9)
YUV	248.5750, -15.5665, -0.5043
Hunter-Lab	98.7097, -14.3379, 21.0135

Details

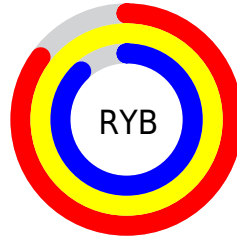
The CIELCh color **99, 19.966, 117.150** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **88, 19.864, 298.241**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 19.291, 116.534** is the 20% darker color. If you saturate the color by 10%, you get **98, 32.124, 115.295**, and if you desaturate by 10%, it is **100, 6.222, 116.744**.

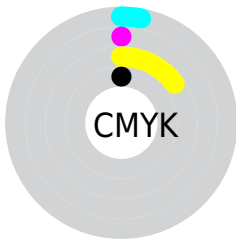
Distribution



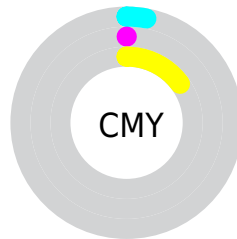
- Red (97%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (88%)



- Cyan (3%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (3%)
- Magenta (0%)
- Yellow (15%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 19.966, 117.150 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, 19.966, 117.150 by changing the saturation by 10% instead.


 99, 19.966,
117.150


 99, 19.966,
117.150


 100, 19.966,
117.150


 89, 19.966,
117.150

 79, 19.966,
117.150

 69, 19.966,
117.150

 59, 19.966,
117.150

 49, 19.966,
117.150

 39, 19.966,
117.150

 29, 19.966,

117.150

■ 19, 19.966,
117.150

■ 9, 19.966, 117.150

■ 99, 19.966,
117.150

■ 99, 19.966,
117.150

■ 98, 32.124,
115.295

■ 100, 6.222,
116.744

■ 97, 44.775,
114.579

100, 0.012,
296.813

■ 96, 57.001,
113.904

■ 96, 68.524,
113.313

■ 95, 78.931,
112.867

■ 95, 87.668,
112.645

■ 94, 94.118,
112.737

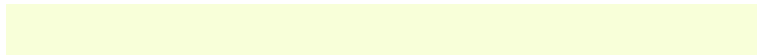
■ 94, 97.878,
113.216

■ 94, 98.998,
113.589

Harmonies

Complementary

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



99, 19.966, 117.150



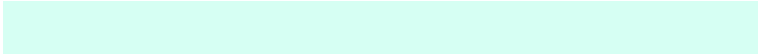
88, 19.864, 298.241

Rectangle

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



99, 19.966, 117.150



99, 19.966, 167.150



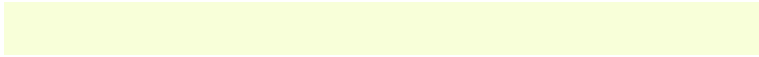
99, 19.966, 297.150



99, 19.966, 347.150

Sweetspot

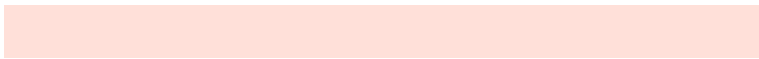
The Sweet Spot groups the original color and five complimentary colors.



99, 19.233, 116.024



100, 5.208, 116.800



91, 12.080, 35.627



53, 3.702, 116.746



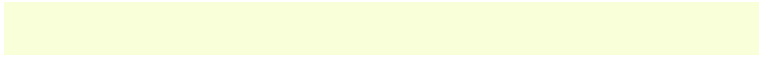
0, 0.000, 0.000



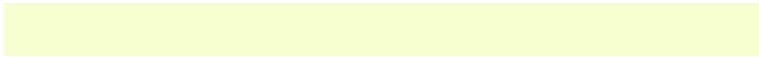
53, 0.007, 296.813

Same Dimension

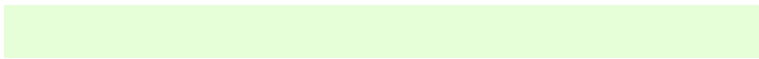
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 19.233, 116.024



98, 23.406, 115.789



97, 21.254, 134.027



53, 7.407, 116.405



73, 79.684, 113.417



25, 36.032, 112.515

Inverse Universe

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



88, 19.864, 298.241



86, 24.349, 298.530



90, 21.532, 315.288



49, 7.566, 297.797



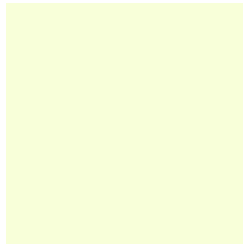
24, 106.481, 307.056



4, 44.511, 305.097

Previews

White Background



This preview shows how the CIE LCh color 99, 19.966, 117.150 looks on a white background.

Color Contrast Check

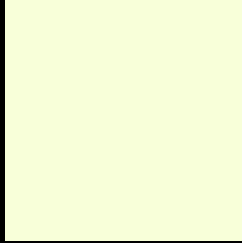
Large Text (above 18pt) WCAG AA × Fail

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, 19.966, 117.150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

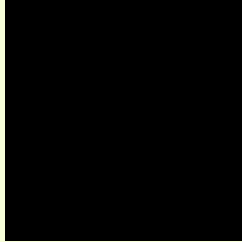
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

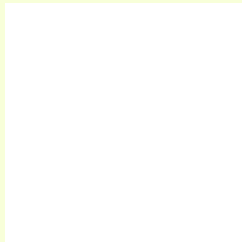
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 99, 19.966, 117.150

Background



This preview shows how black text looks on a background with the CIELCh color 99, 19.966, 117.150.



This preview shows how white text looks on a background with the CIELCh color 99, 19.966, 117.150.

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, 19.411, 116.332



Protanopia
99, 5.257, 94.035

Deuteranopia
99, 2.022, 49.321

Tritanopia
99, 2.660, 305.559

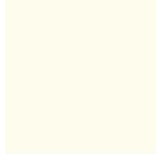
Trichromacy



Original Color
99, 19.411, 116.332



Protanomaly
99, 10.149, 107.365



Deuteranomaly
99, 7.614, 106.897

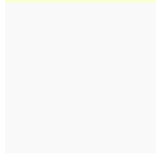


Tritanomaly
99, 5.595, 113.386

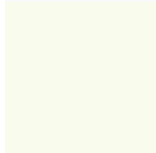
Monochromacy



Original Color
99, 19.411, 116.332



Achromatopsia
98, 0.011, 296.813



Achromatomaly
98, 7.152, 115.360

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 19.966, 117.150 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(248, 255, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 19.966, 117.150 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, 217) }
```

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

```
.border{ border-color:rgb(248, 255, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(248, 255,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 19.966, 117.150 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, 217) }
```

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

```
.background{ background-color: rgb(248,  
255, 217) }
```

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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