

Converting Colors

CIELCh(100, 25.047, 121.036)

Have a look what the booklet for
CIELCh(100, 25.047, 121.036)
contains.

CIELCh(98, 21.518, 117.439)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIElCh(98, 21.518, 117.439)

Conversions

Conversions Part 1

Format	Color
Hex	F5FED4
RGB	245, 254, 212
RGB Percent	96%, 100%, 83%
CMY	0.0398, 0.0045, 0.1691
CMYK	0.04, 0.00, 0.17, 0.00
HSL	73°, 95%, 91%
HSV	73°, 17%, 100%
XYZ	84.8631, 94.9163, 76.0555
YIQ	246.5210, 8.1180, -14.9700

Conversions

Conversions Part 2

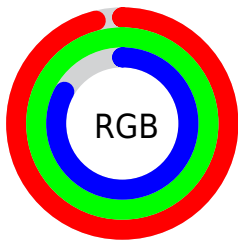
Format	Color
R_{YB}	212, 254, 221
Decimal	16121556
CIE _{Lab}	98.00, -9.92, 19.10
CIE _{LCh}	98, 21.518, 117.439
Yxy	94.9163, 0.3317, 0.3710
Android (android.graphics.Color)	4294311636 (0xFFFF5FED4)
YUV	246.5210, -17.0189, -1.3339
Hunter-Lab	97.4250, -15.0092, 21.9123

Details

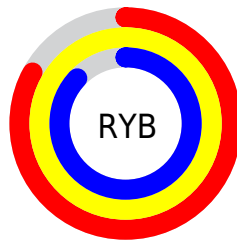
The CIELCh color **98, 21.518, 117.439** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **87, 22.289, 299.773**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **78, 21.453, 116.614** is the 20% darker color. If you saturate the color by 10%, you get **97, 34.396, 116.761**, and if you desaturate by 10%, it is **99, 8.513, 118.121**.

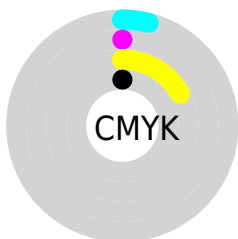
Distribution



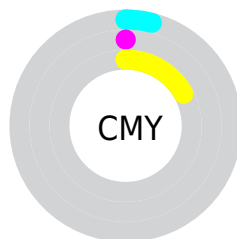
- Red (96%)
- Green (100%)
- Blue (83%)



- Red (83%)
- Yellow (100%)
- Blue (87%)



- Cyan (4%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (17%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 98, 21.518, 117.439 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 98, 21.518, 117.439 by changing the saturation by 10% instead.

 98, 21.518,
117.439

 98, 21.518,
117.439

 100, 21.518,
117.439


 88, 21.518,
117.439

 78, 21.518,
117.439

 68, 21.518,
117.439

 58, 21.518,
117.439

 48, 21.518,
117.439

 38, 21.518,
117.439

 28, 21.518,

117.439

■ 18, 21.518,
117.439

■ 8, 21.518, 117.439

■ 98, 21.518,
117.439

■ 98, 21.518,
117.439

■ 97, 34.396,
116.761

■ 99, 8.513, 118.121

■ 96, 47.011,
116.094

100, 0.724,
324.039

■ 96, 59.168,
115.477

■ 95, 70.571,
114.955

■ 94, 80.788,
114.599

■ 94, 89.249,
114.497

■ 94, 95.353,
114.750

■ 93, 98.780,
115.424

■ 93, 99.567,
115.720

Harmonies

Complementary

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



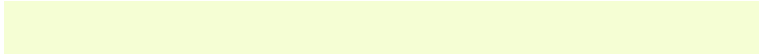
98, 21.518, 117.439



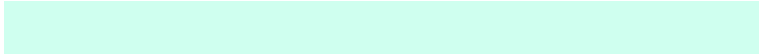
87, 22.289, 299.773

Rectangle

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



98, 21.518, 117.439



98, 21.518, 167.439



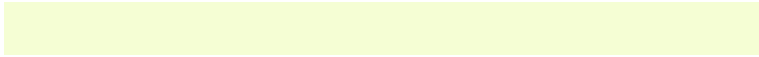
98, 21.518, 297.439



98, 21.518, 347.439

Sweetspot

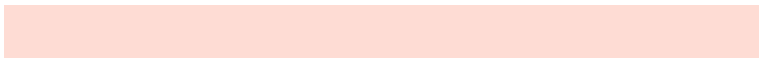
The Sweet Spot groups the original color and five complimentary colors.



98, 21.520, 117.443



99, 6.538, 118.224



90, 13.285, 39.172



53, 4.461, 118.177



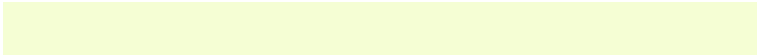
0, 0.000, 0.000



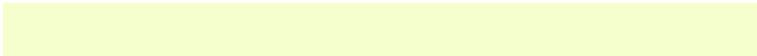
53, 0.007, 296.813

Same Dimension

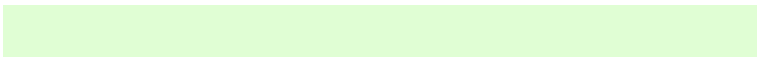
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 21.520, 117.443



98, 26.101, 117.206



97, 23.932, 134.995



53, 7.437, 117.921



72, 80.397, 115.522



25, 36.279, 114.447

Inverse Universe

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



87, 22.289, 299.773



84, 27.243, 300.068



88, 24.238, 316.432



49, 7.592, 299.216



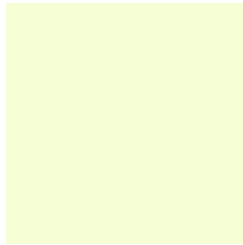
24, 105.989, 307.368



4, 44.587, 305.836

Previews

White Background



This preview shows how the CIE LCh color 98, 21.518, 117.439 looks on a white background.

Color Contrast Check

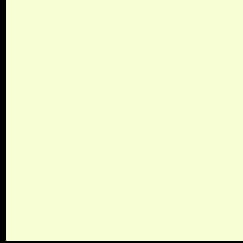
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 98, 21.518, 117.439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

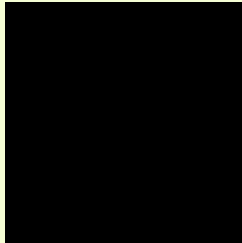
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

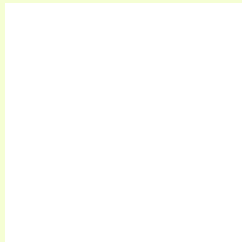
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 98, 21.518, 117.439

Background



This preview shows how black text looks on a background with the CIELCh color 98, 21.518, 117.439.

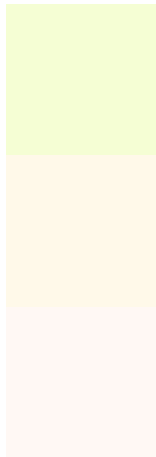


This preview shows how white text looks on a background with the CIELCh color 98, 21.518, 117.439.

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



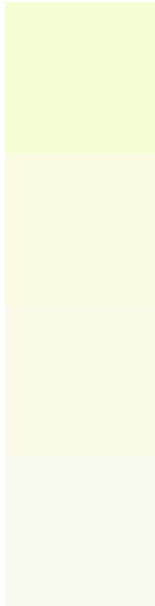
Original Color
98, 21.534, 117.435

Protanopia
98, 8.400, 94.603

Deuteranopia
98, 3.192, 58.882

Tritanopia
98, 3.658, 301.411

Trichromacy



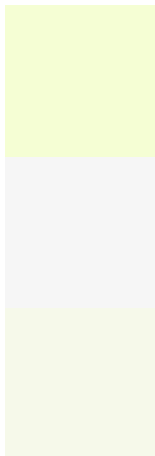
Original Color
98, 21.534, 117.435

Protanomaly
98, 13.197, 109.168

Deuteranomaly
98, 9.149, 107.216

Tritanomaly
98, 5.642, 116.986

Monochromacy



Original Color
98, 21.534, 117.435

Achromatopsia
97, 0.011, 296.813

Achromatomaly
97, 7.716, 117.587

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 21.518, 117.439 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(245, 254, 212)` looks like.

```
.text, #text, p{  
    color:rgb(245, 254, 212)  
}
```

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(245, 254, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 254, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 21.518, 117.439 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(245, 254, 212) }
```

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

```
.border{ border-color:rgb(245, 254, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 254, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 254, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 254, 212);  
box-shadow:4px 4px 4px 4px rgb(245, 254,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 21.518, 117.439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 254, 212) }
```

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

```
.background{ background-color: rgb(245,  
254, 212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor