

Converting Colors

CIELCh(98, 42.208, 110.420)

Have a look what the booklet for
CIELCh(98, 42.208, 110.420)
contains.

CIELCh(98, 42.122, 110.139)	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, 42.122, 110.139)

Conversions

Conversions Part 1

Format	Color
Hex	F9FFAB
RGB	249, 255, 171
RGB Percent	98%, 100%, 67%
CMY	0.0221, 0.0000, 0.3280
CMYK	0.02, 0.00, 0.33, 0.00
HSL	64°, 100%, 84%
HSV	64°, 33%, 100%
XYZ	82.4607, 94.9163, 52.6758
YIQ	243.6300, 23.3880, -27.3960

Conversions

Conversions Part 2

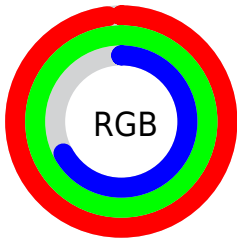
Format	Color
RYB	171, 255, 177
Decimal	16383915
CIELab	98.00, -14.50, 39.55
CIELCh	98, 42.122, 110.139
Yxy	94.9163, 0.3584, 0.4126
Android (android.graphics.Color)	4294573995 (0xFFFF9FFAB)
YUV	243.6300, -35.8066, 4.7095
Hunter-Lab	97.4250, -19.4110, 36.1405

Details

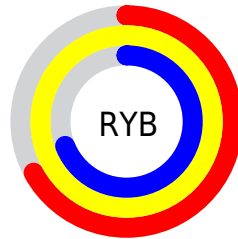
The CIELCh color **98, 42.122, 110.139** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **73, 45.501, 296.508**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 14.168, 109.107**, and **78, 41.790, 109.725** is the 20% darker color. If you saturate the color by 10%, you get **97, 54.142, 109.131**, and if you desaturate by 10%, it is **98, 29.354, 110.836**.

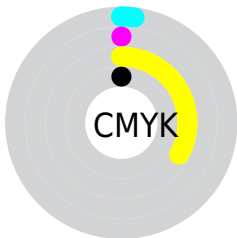
Distribution



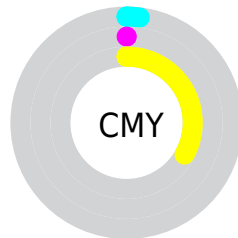
- Red (98%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (69%)



- Cyan (2%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 42.122, 110.139 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, 42.122, 110.139 by changing the saturation by 10% instead.


 98, 42.122,
110.139


 98, 42.122,
110.139


 100, 42.122,
110.139


 88, 42.122,
110.139

 78, 42.122,
110.139

 68, 42.122,
110.139

 58, 42.122,
110.139

 48, 42.122,
110.139

 38, 42.122,
110.139

 28, 42.122,

110.139

■ 18, 42.122,
110.139

■ 8, 42.122, 110.139

■ 98, 42.122,
110.139

■ 98, 42.122,
110.139

■ 97, 54.142,
109.131

■ 98, 29.354,
110.836

■ 97, 65.688,
108.360

■ 99, 16.543,
111.713

■ 97, 76.189,
107.697

■ 100, 3.622,
112.572

■ 96, 85.105,
107.197

■ 100, 0.012,
296.813

■ 96, 91.809,
106.923

■ 96, 95.827,
106.922

■ 96, 97.251,
107.072

Harmonies

Complementary

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



98, 42.122, 110.139



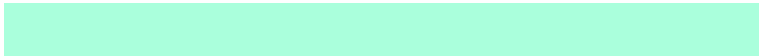
73, 45.501, 296.508

Rectangle

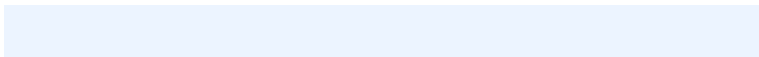
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 42.122, 110.139



98, 42.122, 160.139



98, 42.122, 290.139



98, 42.122, 340.139

Sweetspot

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



98, 41.944, 109.968



99, 12.927, 111.957



79, 31.278, 27.334



53, 8.817, 111.835



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

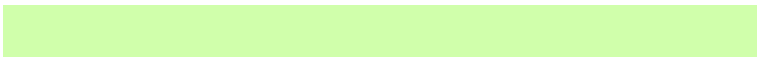
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 41.944, 109.968



98, 49.562, 109.444



95, 45.823, 129.842



53, 7.350, 112.000



74, 78.322, 107.001



26, 35.587, 106.707

Inverse Universe

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



73, 45.501, 296.508



68, 54.804, 297.434



77, 47.660, 312.875



49, 7.516, 293.706



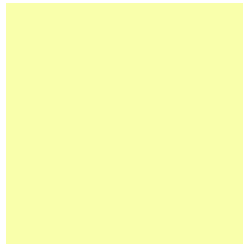
23, 107.441, 306.481



4, 44.287, 303.098

Previews

White Background



This preview shows how the CIE LCh color 98, 42.122, 110.139 looks on a white background.

Color Contrast Check

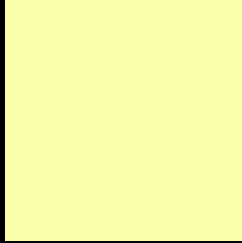
Large Text (above 18pt) WCAG AA × Fail

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 98, 42.122, 110.139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

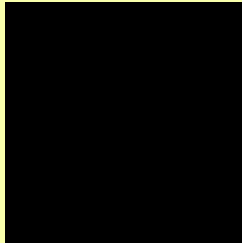
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 42.122, 110.139

Background



This preview shows how black text looks on a background with the CIELCh color 98, 42.122, 110.139.

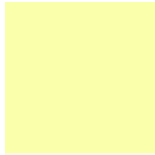


This preview shows how white text looks on a background with the CIELCh color 98, 42.122, 110.139.

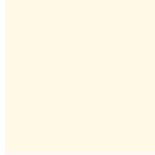
Color Blindness Simulation

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](#).

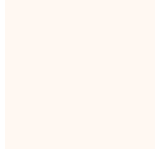
Dichromacy




Original Color
98, 42.122, 110.139



Protanopia
98, 10.382, 97.276

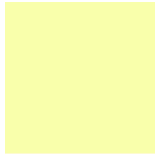


Deuteranopia
98, 3.919, 70.425

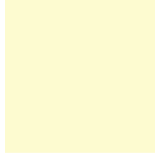


Tritanopia
98, 4.791, 321.097

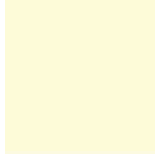
Trichromacy



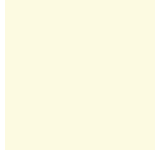
Original Color
98, 42.122, 110.139



Protanomaly
98, 21.795, 106.543

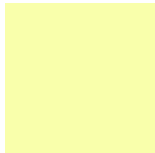


Deuteranomaly
98, 17.761, 106.435

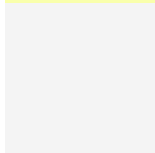


Tritanomaly
98, 12.713, 105.916

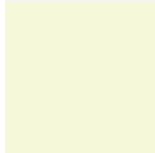
Monochromacy



Original Color
98, 42.122, 110.139



Achromatopsia
96, 0.011, 296.813



Achromatomaly
97, 15.282, 111.751

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 42.122, 110.139 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 42.122, 110.139 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, 171) }
```

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

```
.border{ border-color:rgb(249, 255, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(249, 255, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(249, 255, 171); box-shadow:4px 4px 4px 4px rgb(249, 255, 171) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 42.122, 110.139 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, 171) }
```

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

```
.background{ background-color: rgb(249,  
255, 171) }
```

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