

Converting Colors

CIELCh(98, 42.677, 108.900)

Have a look what the booklet for
CIELCh(98, 42.677, 108.900)
contains.

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Color

CIElCh(98, 42.567, 109.026)

Conversions

Conversions Part 1

Format	Color
Hex	FBFFAA
RGB	251, 255, 170
RGB Percent	98%, 100%, 67%
CMY	0.0158, 0.0000, 0.3334
CMYK	0.02, 0.00, 0.33, 0.00
HSL	63°, 100%, 83%
HSV	63°, 33%, 100%
XYZ	82.7858, 94.9163, 51.9794
YIQ	244.1140, 24.9010, -27.2830

Conversions

Conversions Part 2

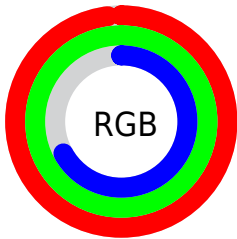
Format	Color
RYB	170, 255, 174
Decimal	16514986
CIELab	98.00, -13.88, 40.24
CIELCh	98, 42.567, 109.026
Yxy	94.9163, 0.3604, 0.4133
Android (android.graphics.Color)	4294705066 (0xFFFBFFAA)
YUV	244.1140, -36.5382, 6.0390
Hunter-Lab	97.4250, -18.8154, 36.5643

Details

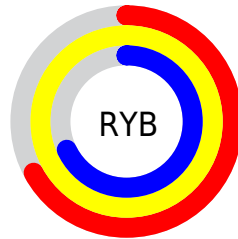
The CIELCh color **98, 42.567, 109.026** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **73, 46.270, 295.945**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 14.673, 109.069**, and **78, 42.261, 109.084** is the 20% darker color. If you saturate the color by 10%, you get **98, 54.730, 108.165**, and if you desaturate by 10%, it is **99, 30.005, 109.927**.

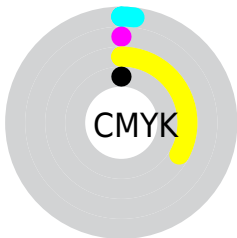
Distribution



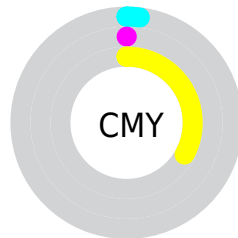
- Red (98%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (68%)



- 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, 42.567, 109.026 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, 42.567, 109.026 by changing the saturation by 10% instead.


 98, 42.567,
109.026


 98, 42.567,
109.026


 100, 42.567,
109.026


 88, 42.567,
109.026

 78, 42.567,
109.026

 68, 42.567,
109.026

 58, 42.567,
109.026

 48, 42.567,
109.026

 38, 42.567,
109.026

 28, 42.567,

109.026

■ 18, 42.567,
109.026

■ 8, 42.567, 109.026

■ 98, 42.567,
109.026

■ 98, 42.567,
109.026

■ 98, 54.730,
108.165

■ 99, 30.005,
109.927

■ 97, 66.219,
107.365

■ 99, 17.214,
110.833

■ 97, 76.635,
106.672

■ 100, 4.306,
111.724

■ 97, 85.430,
106.137

■ 100, 0.018,
307.100

■ 96, 91.975,
105.814

■ 96, 95.816,
105.744

■ 96, 97.083,
105.819

Harmonies

Complementary

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



98, 42.567, 109.026



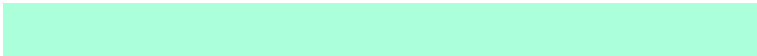
73, 46.270, 295.945

Rectangle

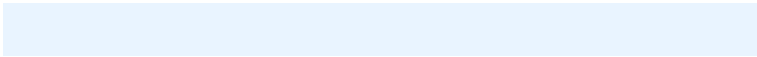
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 42.567, 109.026



98, 42.567, 159.026



98, 42.567, 289.026



98, 42.567, 339.026

Sweetspot

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



98, 42.569, 109.029



99, 12.917, 111.134



78, 32.789, 24.806



53, 8.811, 111.007



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

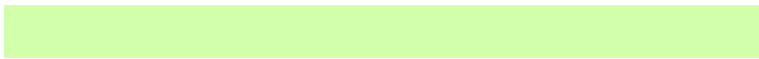
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 42.569, 109.029



98, 50.734, 108.448



95, 46.133, 128.670



53, 7.344, 111.178



74, 78.193, 105.768



26, 35.550, 105.602

Inverse Universe

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



73, 46.270, 295.945



67, 56.315, 296.997



76, 48.199, 311.817



49, 7.511, 292.947



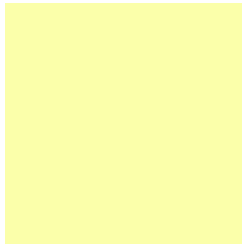
23, 107.546, 306.420



3, 44.241, 302.707

Previews

White Background



This preview shows how the CIE LCh color 98, 42.567, 109.026 looks on a white background.

Color Contrast Check

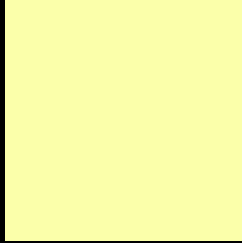
Large Text (above 18pt) WCAG AA × Fail

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, 42.567, 109.026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

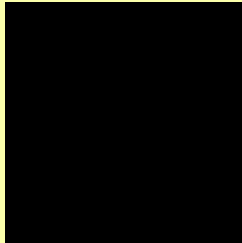
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 42.567, 109.026

Background



This preview shows how black text looks on a background with the CIELCh color 98, 42.567, 109.026.

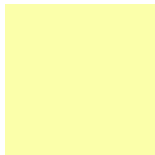


This preview shows how white text looks on a background with the CIELCh color 98, 42.567, 109.026.

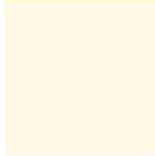
Color Blindness Simulation

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](#).

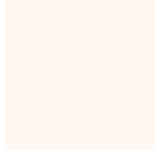
Dichromacy




Original Color
98, 42.567, 109.026



Protanopia
98, 9.885, 96.715

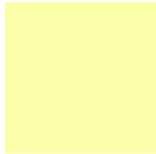


Deuteranopia
98, 3.919, 70.425

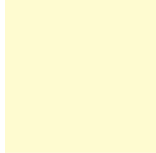


Tritanopia
98, 4.981, 324.553

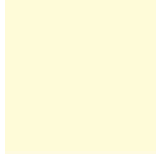
Trichromacy



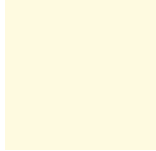
Original Color
98, 42.567, 109.026



Protanomaly
98, 21.809, 105.560

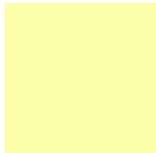


Deuteranomaly
98, 17.777, 105.242

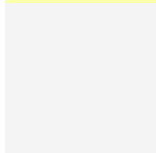


Tritanomaly
98, 13.275, 102.840

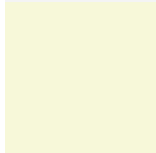
Monochromacy



Original Color
98, 42.567, 109.026



Achromatopsia
96, 0.011, 296.813



Achromatomaly
97, 15.772, 110.296

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 42.567, 109.026 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(251, 255, 170)` looks like.

```
.text, #text, p{  
    color:rgb(251, 255, 170)  
}
```

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(251, 255, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 255, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 42.567, 109.026 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(251, 255, 170) }
```

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

```
.border{ border-color:rgb(251, 255, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 255, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 255, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 255, 170);  
box-shadow:4px 4px 4px 4px rgb(251, 255,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 42.567, 109.026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 255, 170) }
```

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

```
.background{ background-color: rgb(251,  
255, 170) }
```

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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