

Converting Colors

CIELCh(98, 40.932, 110.737)

Have a look what the booklet for
CIELCh(98, 40.932, 110.737)
contains.

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Color

CIElCh(98, 40.662, 110.356)

Conversions

Conversions Part 1

Format	Color
Hex	F9FFAE
RGB	249, 255, 174
RGB Percent	98%, 100%, 68%
CMY	0.0226, 0.0000, 0.3168
CMYK	0.02, 0.00, 0.32, 0.00
HSL	64°, 100%, 84%
HSV	64°, 32%, 100%
XYZ	82.6466, 94.9163, 54.1221
YIQ	243.9720, 22.4250, -26.4630

Conversions

Conversions Part 2

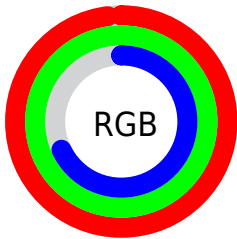
Format	Color
RYB	174, 255, 180
Decimal	16383918
CIELab	98.00, -14.14, 38.12
CIELCh	98, 40.662, 110.356
Yxy	94.9163, 0.3567, 0.4097
Android (android.graphics.Color)	4294573998 (0xFFFF9FFAE)
YUV	243.9720, -34.4962, 4.4096
Hunter-Lab	97.4250, -19.0703, 35.2603

Details

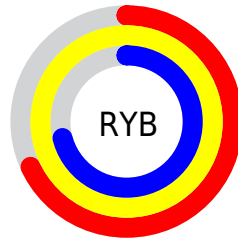
The CIELCh color **98, 40.662, 110.356** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **74, 43.837, 296.480**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 12.652, 109.221**, and **78, 40.297, 109.979** is the 20% darker color. If you saturate the color by 10%, you get **97, 52.804, 109.409**, and if you desaturate by 10%, it is **99, 27.923, 111.109**.

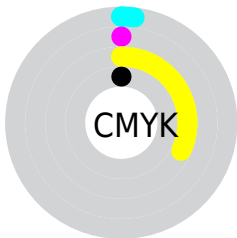
Distribution



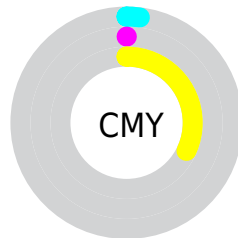
- Red (98%)
- Green (100%)
- Blue (68%)



- Red (68%)
- Yellow (100%)
- Blue (71%)



- Cyan (2%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 40.662, 110.356 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, 40.662, 110.356 by changing the saturation by 10% instead.


 98, 40.662,
110.356


 98, 40.662,
110.356


 100, 40.662,
110.356


 88, 40.662,
110.356

 78, 40.662,
110.356

 68, 40.662,
110.356

 58, 40.662,
110.356

 48, 40.662,
110.356

 38, 40.662,
110.356

 28, 40.662,

110.356

■ 18, 40.662,
110.356

■ 8, 40.662, 110.356

■ 98, 40.662,
110.356

■ 98, 40.662,
110.356

■ 97, 52.804,
109.409

■ 99, 27.923,
111.109

■ 97, 64.443,
108.634

■ 99, 15.093,
111.979

■ 97, 75.090,
107.964

■ 100, 2.162,
112.822

■ 96, 84.220,
107.452

■ 100, 0.012,
296.813

■ 96, 91.209,
107.162

■ 96, 95.547,
107.144

■ 96, 97.291,
107.325

Harmonies

Complementary

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



98, 40.662, 110.356



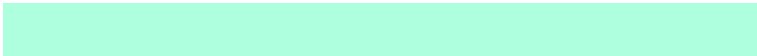
74, 43.837, 296.480

Rectangle

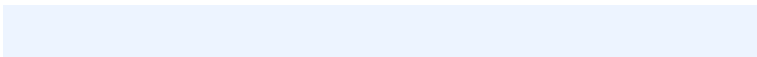
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 40.662, 110.356



98, 40.662, 160.356



98, 40.662, 290.356



98, 40.662, 340.356

Sweetspot

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



98, 40.548, 110.244



99, 12.929, 112.124



80, 30.067, 27.224



53, 8.819, 112.002



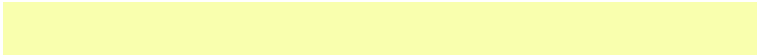
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

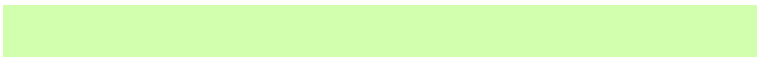
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 40.548, 110.244



98, 48.354, 109.711



95, 44.269, 129.898



53, 7.351, 112.167



74, 78.353, 107.249



25, 35.596, 106.931

Inverse Universe

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



74, 43.837, 296.480



69, 53.291, 297.403



78, 45.977, 312.819



49, 7.517, 293.859



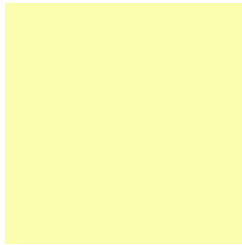
23, 107.417, 306.494



4, 44.297, 303.176

Previews

White Background



This preview shows how the CIE LCh color 98, 40.662, 110.356 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, 40.662, 110.356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

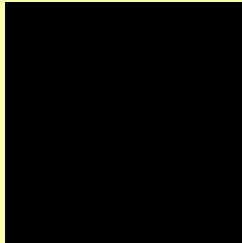
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 40.662, 110.356

Background



This preview shows how black text looks on a background with the CIELCh color 98, 40.662, 110.356.

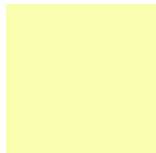


This preview shows how white text looks on a background with the CIELCh color 98, 40.662, 110.356.

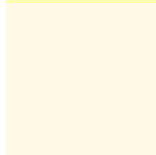
Color Blindness Simulation

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](#).

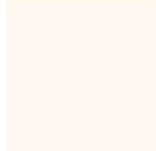
Dichromacy




Original Color
98, 40.662, 110.356



Protanopia
98, 9.885, 96.715

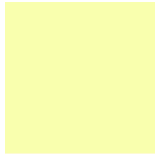


Deuteranopia
98, 3.919, 70.425



Tritanopia
98, 4.791, 321.097

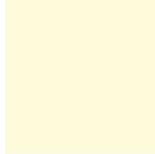
Trichromacy



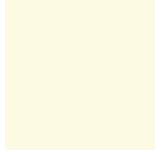
Original Color
98, 40.662, 110.356



Protanomaly
98, 20.788, 106.531

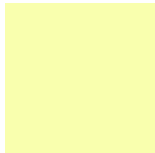


Deuteranomaly
98, 17.255, 106.407

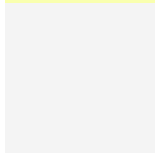


Tritanomaly
98, 12.207, 105.823

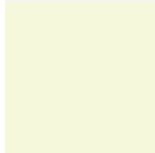
Monochromacy



Original Color
98, 40.662, 110.356



Achromatopsia
96, 0.011, 296.813



Achromatomaly
97, 14.776, 111.880

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 40.662, 110.356 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 174)  
}
```

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, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 40.662, 110.356 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, 174) }
```

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

```
.border{ border-color:rgb(249, 255, 174) }
```

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, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 174);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 40.662, 110.356 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, 174) }
```

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

```
.background{ background-color: rgb(249,  
255, 174) }
```

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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