

Converting Colors

CIELCh(98, 42.016, 106.969)

Have a look what the booklet for
CIELCh(98, 42.016, 106.969)
contains.

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Color

CIElCh(98, 42.074, 106.955)

Conversions

Conversions Part 1

Format	Color
Hex	FEFEAA
RGB	254, 254, 170
RGB Percent	100%, 100%, 67%
CMY	0.0036, 0.0036, 0.3331
CMYK	0.00, 0.00, 0.33, 0.00
HSL	60°, 98%, 83%
HSV	60°, 33%, 100%
XYZ	83.6244, 94.9163, 51.9758
YIQ	244.4240, 26.9640, -26.1240

Conversions

Conversions Part 2

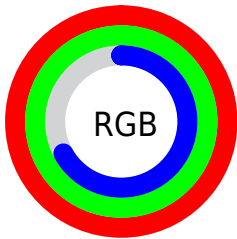
Format	Color
RYB	170, 254, 170
Decimal	16711338
CIELab	98.00, -12.27, 40.25
CIELCh	98, 42.074, 106.955
Yxy	94.9163, 0.3628, 0.4118
Android (android.graphics.Color)	4294901418 (0xFFFEFEAA)
YUV	244.4240, -36.6910, 8.3982
Hunter-Lab	97.4250, -17.2788, 36.5665

Details

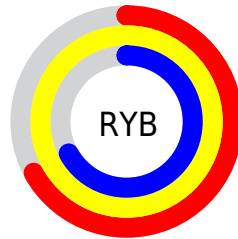
The CIELCh color **98, 42.074, 106.955** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **73, 45.711, 294.418**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 14.673, 109.069**, and **78, 41.742, 106.871** is the 20% darker color. If you saturate the color by 10%, you get **98, 54.209, 106.020**, and if you desaturate by 10%, it is **98, 29.548, 107.928**.

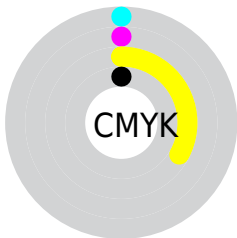
Distribution



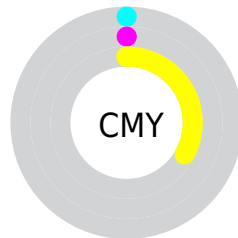
- Red (100%)
- Green (100%)
- Blue (67%)



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



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




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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 98, 42.074, 106.955 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, 42.074, 106.955 by changing the saturation by 10% instead.

 98, 42.074,
106.955


 98, 42.074,
106.955

 100, 42.074,
106.955


 88, 42.074,
106.955

 78, 42.074,
106.955

 68, 42.074,
106.955

 58, 42.074,
106.955

 48, 42.074,
106.955

 38, 42.074,
106.955

 28, 42.074,

106.955

■ 18, 42.074,
106.955

■ 8, 42.074, 106.955

■ 98, 42.074,
106.955

■ 98, 42.074,
106.955

■ 98, 54.209,
106.020

■ 98, 29.548,
107.928

■ 97, 65.681,
105.141

■ 99, 16.800,
108.906

■ 97, 76.091,
104.355

■ 99, 3.939, 109.866

■ 97, 84.893,
103.703

■ 100, 0.481,
290.415

■ 100, 0.481,

■ 97, 91.460,
103.226

290.475

100, 0.481,

■ 97, 95.333,
102.948

290.535

100, 0.481,

■ 97, 96.644,
102.855

290.595

100, 0.481,

290.655

100, 0.481,

290.715

Harmonies

Complementary

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



98, 42.074, 106.955



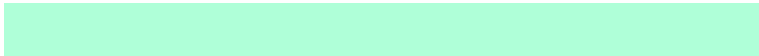
73, 45.711, 294.418

Rectangle

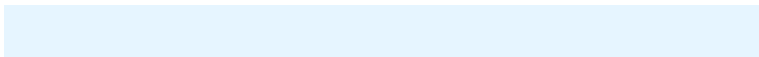
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 42.074, 106.955



98, 42.074, 156.955



98, 42.074, 286.955



98, 42.074, 336.955

Sweetspot

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



98, 42.076, 106.958



99, 12.905, 109.205



78, 33.383, 22.345



53, 8.802, 109.068



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

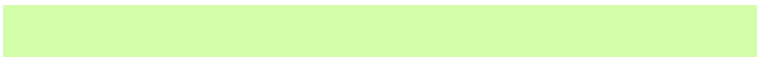
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 42.076, 106.958



98, 50.696, 106.302



95, 45.233, 127.508



53, 7.338, 109.253



75, 78.056, 102.855



26, 35.525, 102.997

Inverse Universe

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



73, 45.711, 294.418



67, 56.307, 295.630



76, 47.419, 310.713



49, 7.504, 291.176



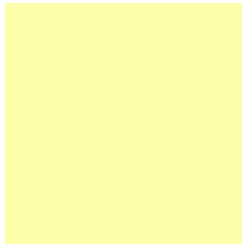
23, 107.781, 306.287



3, 44.127, 301.759

Previews

White Background



This preview shows how the CIE LCh color 98, 42.074, 106.955 looks on a white background.

Color Contrast Check

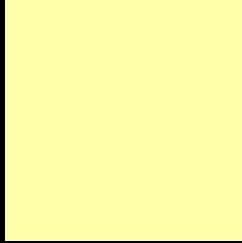
Large Text (above 18pt) WCAG AA × Fail

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, 42.074, 106.955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

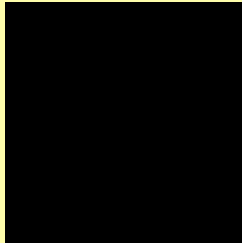
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 42.074, 106.955

Background



This preview shows how black text looks on a background with the CIELCh color 98, 42.074, 106.955.

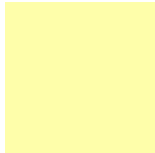


This preview shows how white text looks on a background with the CIELCh color 98, 42.074, 106.955.

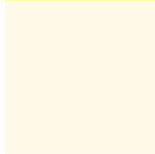
Color Blindness Simulation

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](#).

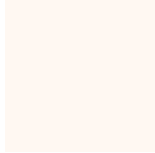
Dichromacy




Original Color
98, 42.074, 106.955



Protanopia
98, 9.388, 96.089

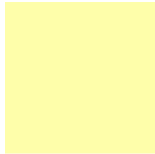


Deuteranopia
98, 3.919, 70.425



Tritanopia
98, 4.569, 328.153

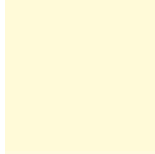
Trichromacy



Original Color
98, 42.074, 106.955



Protanomaly
98, 21.326, 104.529

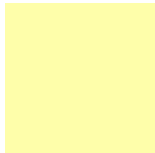


Deuteranomaly
98, 17.344, 102.729

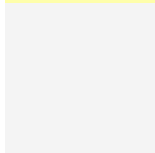


Tritanomaly
98, 13.821, 101.509

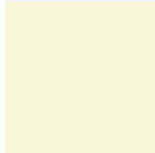
Monochromacy



Original Color
98, 42.074, 106.955



Achromatopsia
96, 0.011, 296.813



Achromatomaly
97, 15.764, 108.961

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 42.074, 106.955 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(254, 254, 170)` looks like.

```
.text, #text, p{  
    color:rgb(254, 254, 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(254, 254, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 254, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 42.074, 106.955 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(254, 254, 170) }
```

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

```
.border{ border-color:rgb(254, 254, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 254, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 254, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 254, 170);  
box-shadow:4px 4px 4px 4px rgb(254, 254,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 42.074, 106.955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 254, 170) }
```

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

```
.background{ background-color: rgb(254,  
254, 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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