

Converting Colors

CIELCh(98, 40.306, 112.611)

Have a look what the booklet for
CIELCh(98, 40.306, 112.611)
contains.

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Color

CIElCh(98, 39.780, 112.161)

Conversions

Conversions Part 1

Format	Color
Hex	F7FFB1
RGB	247, 255, 177
RGB Percent	97%, 100%, 69%
CMY	0.0322, 0.0000, 0.3069
CMYK	0.03, 0.00, 0.31, 0.00
HSL	66°, 100%, 85%
HSV	66°, 31%, 100%
XYZ	82.2001, 94.9163, 55.4459
YIQ	243.7160, 20.2700, -25.9540

Conversions

Conversions Part 2

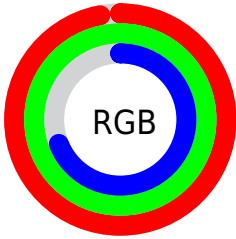
Format	Color
RYB	177, 255, 185
Decimal	16252849
CIELab	98.00, -15.01, 36.84
CIElCh	98, 39.780, 112.161
Yxy	94.9163, 0.3535, 0.4081
Android (android.graphics.Color)	4294442929 (0xFFFF7FFB1)
YUV	243.7160, -32.8910, 2.8801
Hunter-Lab	97.4250, -19.8884, 34.4547

Details

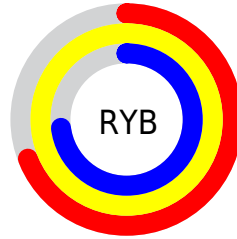
The CIELCh color **98, 39.780, 112.161** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **75, 42.426, 297.445**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 11.136, 109.335**, and **78, 38.861, 111.444** is the 20% darker color. If you saturate the color by 10%, you get **97, 51.722, 111.005**, and if you desaturate by 10%, it is **98, 26.715, 112.614**.

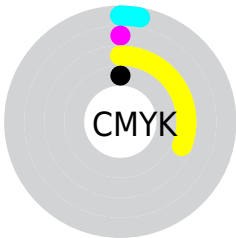
Distribution



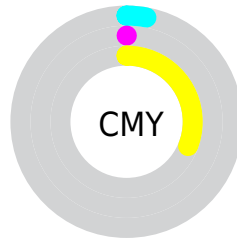
- Red (97%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (73%)



- Cyan (3%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (3%)
- Magenta (0%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 39.780, 112.161 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, 39.780, 112.161 by changing the saturation by 10% instead.


 98, 39.780,
112.161


 98, 39.780,
112.161


 100, 39.780,
112.161


 88, 39.780,
112.161

 78, 39.780,
112.161

 68, 39.780,
112.161

 58, 39.780,
112.161

 48, 39.780,
112.161

 38, 39.780,
112.161

 28, 39.780,

112.161

■ 18, 39.780,
112.161

■ 8, 39.780, 112.161

■ 98, 39.780,
112.161

■ 98, 39.780,
112.161

■ 97, 51.722,
111.005

■ 98, 26.715,
112.614

■ 97, 63.467,
110.274

■ 99, 13.845,
113.435

■ 96, 74.268,
109.648

100, 0.885,
114.214

■ 96, 83.619,
109.188

100, 0.012,
296.813

■ 96, 90.903,
108.965

■ 95, 95.580,
109.043

■ 95, 97.697,
109.381

Harmonies

Complementary

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



98, 39.780, 112.161



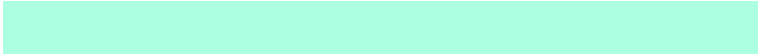
75, 42.426, 297.445

Rectangle

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



98, 39.780, 112.161



98, 39.780, 162.161



98, 39.780, 292.161



98, 39.780, 342.161

Sweetspot

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



98, 39.392, 111.796



99, 11.659, 113.573



81, 28.216, 29.920



53, 8.100, 113.454



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

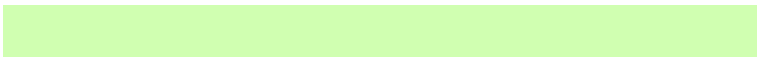
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 39.392, 111.796



97, 47.225, 111.291



95, 43.305, 131.065



53, 7.365, 113.532



74, 78.669, 109.273



25, 35.694, 108.752

Inverse Universe

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



75, 42.426, 297.445



70, 51.818, 298.288



79, 44.766, 313.855



49, 7.529, 295.123



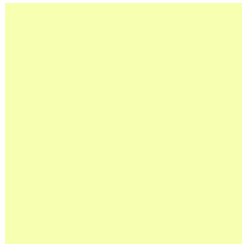
23, 107.185, 306.629



4, 44.370, 303.809

Previews

White Background



This preview shows how the CIE LCh color 98, 39.780, 112.161 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, 39.780, 112.161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

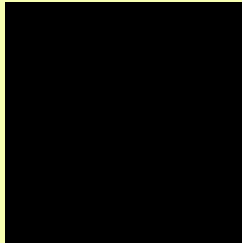
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 39.780, 112.161

Background



This preview shows how black text looks on a background with the CIELCh color 98, 39.780, 112.161.

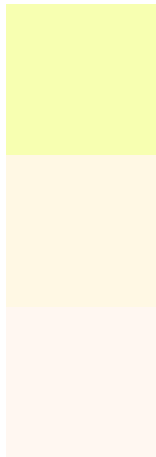


This preview shows how white text looks on a background with the CIELCh color 98, 39.780, 112.161.

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, 39.257, 111.699

Protanopia
98, 10.471, 95.314

Deuteranopia
98, 4.157, 66.587

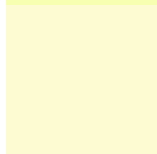


Tritanopia
98, 4.619, 317.378

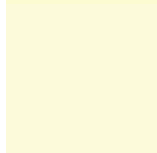
Trichromacy



Original Color
98, 39.257, 111.699



Protanomaly
98, 21.284, 107.543



Deuteranomaly
98, 16.257, 106.334

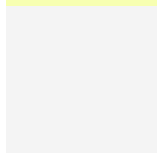


Tritanomaly
98, 11.687, 107.500

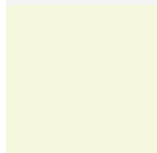
Monochromacy



Original Color
98, 39.257, 111.699



Achromatopsia
96, 0.011, 296.813



Achromatomaly
97, 14.297, 113.476

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 39.780, 112.161 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(247, 255, 177)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 177)  
}
```

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(247, 255, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 39.780, 112.161 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(247, 255, 177) }
```

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

```
.border{ border-color:rgb(247, 255, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 255, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 177);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 39.780, 112.161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 255, 177) }
```

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

```
.background{ background-color: rgb(247,  
255, 177) }
```

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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