

Converting Colors

CIELCh(98, 37.850, 111.710)

Have a look what the booklet for
CIELCh(98, 37.850, 111.710)
contains.

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Color

CIElCh(98, 37.758, 111.394)

Conversions

Conversions Part 1

Format	Color
Hex	F8FFB4
RGB	248, 255, 180
RGB Percent	97%, 100%, 71%
CMY	0.0268, 0.0000, 0.2935
CMYK	0.03, 0.00, 0.29, 0.00
HSL	65°, 100%, 85%
HSV	65°, 29%, 100%
XYZ	82.8395, 94.9163, 57.2195
YIQ	244.3570, 19.9030, -24.8090

Conversions

Conversions Part 2

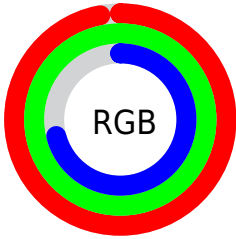
Format	Color
R_{YB}	180, 255, 187
Decimal	16318388
CIE _{Lab}	98.00, -13.77, 35.16
CIE _{LCh}	98, 37.758, 111.394
Yxy	94.9163, 0.3525, 0.4039
Android (android.graphics.Color)	4294508468 (0xFFFF8FFB4)
YUV	244.3570, -31.7280, 3.1949
Hunter-Lab	97.4250, -18.7168, 33.3754

Details

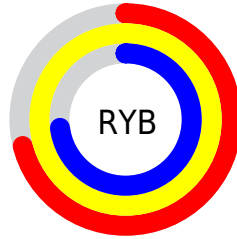
The CIELCh color **98, 37.758, 111.394** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **76, 40.439, 296.820**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 9.618, 109.449**, and **78, 37.820, 111.041** is the 20% darker color. If you saturate the color by 10%, you get **97, 50.049, 110.494**, and if you desaturate by 10%, it is **99, 24.975, 112.149**.

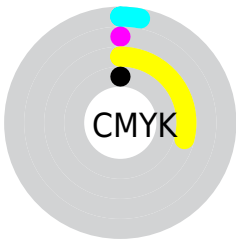
Distribution



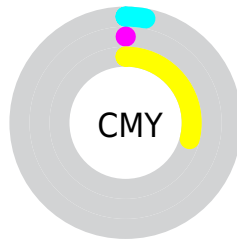
- Red (97%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (73%)



- Cyan (3%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 37.758, 111.394 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, 37.758, 111.394 by changing the saturation by 10% instead.


 98, 37.758,
111.394


 98, 37.758,
111.394

 100, 37.758,
111.394


 88, 37.758,
111.394

 78, 37.758,
111.394

 68, 37.758,
111.394

 58, 37.758,
111.394

 48, 37.758,
111.394

 38, 37.758,
111.394

 28, 37.758,

111.394

■ 18, 37.758,
111.394

■ 8, 37.758, 111.394

■ 98, 37.758,
111.394

■ 98, 37.758,
111.394

■ 97, 50.049,
110.494

■ 99, 24.975,
112.149

■ 97, 61.877,
109.732

■ 99, 12.100,
112.989

■ 97, 72.815,
109.067

100, 0.012,
296.813

■ 96, 82.376,
108.553

■ 96, 89.949,
108.258

■ 96, 94.966,
108.246

■ 95, 97.394,
108.525

■ 95, 97.515,
108.547

Harmonies

Complementary

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



98, 37.758, 111.394



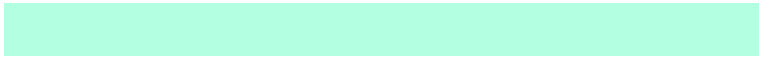
76, 40.439, 296.820

Rectangle

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



98, 37.758, 111.394



98, 37.758, 161.394



98, 37.758, 291.394



98, 37.758, 341.394

Sweetspot

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



98, 37.674, 111.310



99, 11.649, 113.018



82, 27.207, 28.395



53, 8.093, 112.896



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

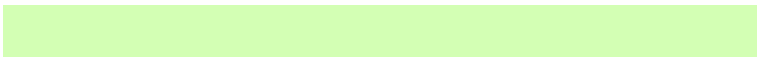
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 37.674, 111.310



98, 44.720, 110.844



95, 41.237, 130.577



53, 7.359, 112.976



74, 78.527, 108.452



25, 35.649, 108.012

Inverse Universe

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



76, 40.439, 296.820



72, 48.798, 297.580



79, 42.631, 313.249



49, 7.524, 294.608



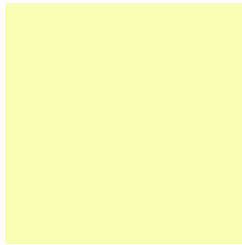
23, 107.287, 306.570



4, 44.340, 303.554

Previews

White Background



This preview shows how the CIE LCh color 98, 37.758, 111.394 looks on a white background.

Color Contrast Check

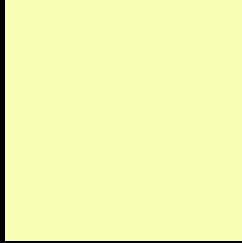
Large Text (above 18pt) WCAG AA × Fail

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, 37.758, 111.394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

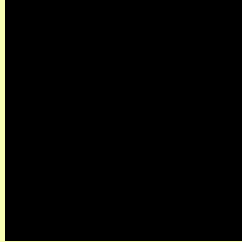
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 37.758, 111.394

Background



This preview shows how black text looks on a background with the CIELCh color 98, 37.758, 111.394.

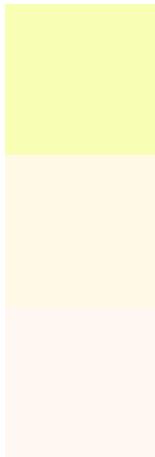


This preview shows how white text looks on a background with the CIELCh color 98, 37.758, 111.394.

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, 37.758, 111.394

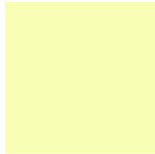
Protanopia
98, 9.885, 96.715

Deuteranopia
98, 3.919, 70.425



Tritanopia
98, 4.619, 317.378

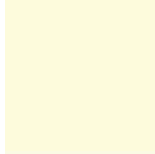
Trichromacy



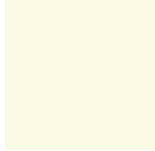
Original Color
98, 37.758, 111.394



Protanomaly
98, 19.779, 106.511



Deuteranomaly
98, 15.739, 106.299

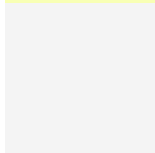


Tritanomaly
98, 11.179, 107.461

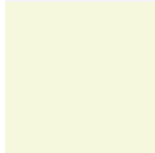
Monochromacy



Original Color
98, 37.758, 111.394



Achromatopsia
96, 0.011, 296.813



Achromatomaly
97, 13.762, 112.159

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 37.758, 111.394 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(248, 255, 180)` looks like.

```
.text, #text, p{  
    color:rgb(248, 255, 180)  
}
```

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(248, 255, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 37.758, 111.394 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(248, 255, 180) }
```

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

```
.border{ border-color:rgb(248, 255, 180) }
```

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

Here you see how a box with a 4 pixel rgb(248, 255, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 255, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 255, 180);  
box-shadow:4px 4px 4px 4px rgb(248, 255,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 37.758, 111.394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 255, 180) }
```

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

```
.background{ background-color: rgb(248,  
255, 180) }
```

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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