

Converting Colors

CIELCh(98, 27.577, 118.250)

Have a look what the booklet for
CIELCh(98, 27.577, 118.250)
contains.

CIELCh(98, 27.227, 118.403)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIElCh(98, 27.227, 118.403)

Conversions

Conversions Part 1

Format	Color
Hex	F2FFCA
RGB	242, 255, 202
RGB Percent	95%, 100%, 79%
CMY	0.0498, 0.0000, 0.2067
CMYK	0.05, 0.00, 0.21, 0.00
HSL	74°, 100%, 90%
HSV	74°, 21%, 100%
XYZ	83.2681, 94.9163, 69.9857
YIQ	245.0710, 9.2650, -19.2390

Conversions

Conversions Part 2

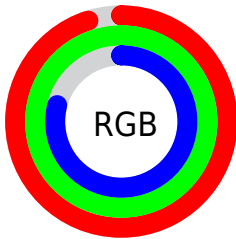
Format	Color
R_{YB}	202, 255, 215
Decimal	15925194
CIE _{Lab}	98.00, -12.95, 23.95
CIE _{LCh}	98, 27.227, 118.403
Y _{xy}	94.9163, 0.3355, 0.3825
Android (android.graphics.Color)	4294115274 (0xFFFF2FFCA)
YUV	245.0710, -21.2340, -2.6933
Hunter-Lab	97.4250, -17.9316, 25.6062

Details

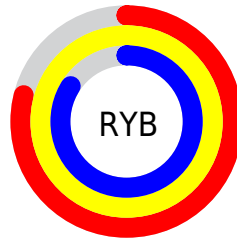
The CIELCh color **98, 27.227, 118.403** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **84, 28.261, 301.064**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **78, 26.872, 117.921** is the 20% darker color. If you saturate the color by 10%, you get **97, 39.951, 117.587**, and if you desaturate by 10%, it is **99, 14.004, 118.890**.

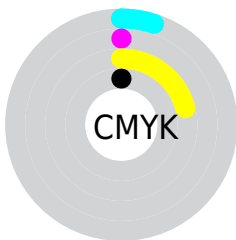
Distribution



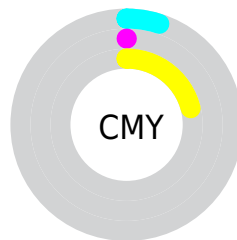
- Red (95%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (84%)



- Cyan (5%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 27.227, 118.403 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, 27.227, 118.403 by changing the saturation by 10% instead.


 98, 27.227,
118.403


 98, 27.227,
118.403


 100, 27.227,
118.403


 88, 27.227,
118.403

 78, 27.227,
118.403

 68, 27.227,
118.403

 58, 27.227,
118.403

 48, 27.227,
118.403

 38, 27.227,
118.403

 28, 27.227,

118.403

■ 18, 27.227,
118.403

■ 8, 27.227, 118.403

■ 98, 27.227,
118.403

■ 98, 27.227,
118.403

■ 97, 39.951,
117.587

■ 99, 14.004,
118.890

■ 96, 52.508,
116.965

■ 100, 0.871,
119.561

■ 96, 64.502,
116.410

■ 100, 0.012,
296.813

■ 95, 75.583,
115.980

■ 94, 85.259,
115.756

■ 94, 92.923,
115.840

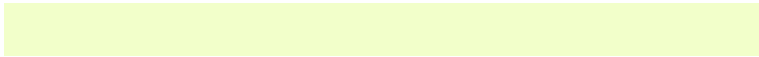
■ 93, 98.043,
116.331

■ 93, 100.623,
117.154

Harmonies

Complementary

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



98, 27.227, 118.403



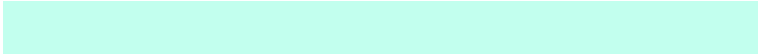
84, 28.261, 301.064

Rectangle

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



98, 27.227, 118.403



98, 27.227, 168.403



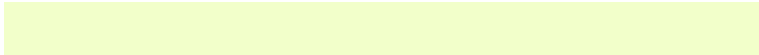
98, 27.227, 298.403



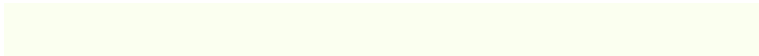
98, 27.227, 348.403

Sweetspot

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



98, 27.065, 118.238



99, 7.872, 119.192



89, 16.669, 42.749



53, 5.222, 119.150



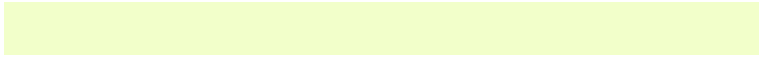
0, 0.000, 0.000



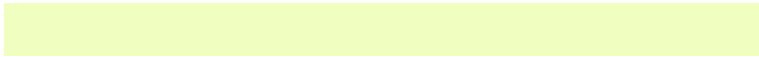
53, 0.007, 296.813

Same Dimension

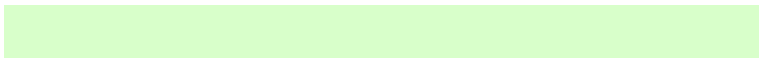
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 27.065, 118.238



98, 32.671, 117.955



96, 30.356, 135.806



53, 7.461, 118.966



72, 80.954, 116.935



25, 36.474, 115.754

Inverse Universe

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



84, 28.261, 301.064



81, 34.456, 301.435



86, 30.775, 317.669



49, 7.613, 300.199



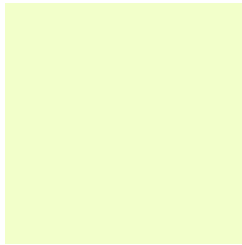
25, 105.602, 307.623



4, 44.640, 306.386

Previews

White Background



This preview shows how the CIE LCh color 98, 27.227, 118.403 looks on a white background.

Color Contrast Check

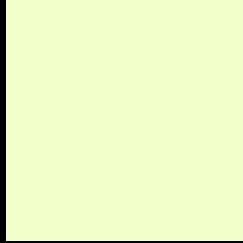
Large Text (above 18pt) WCAG AA × Fail

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, 27.227, 118.403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

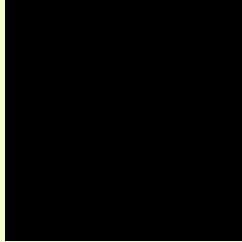
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

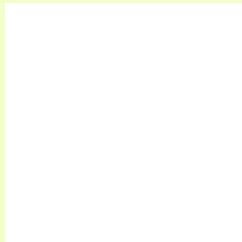
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 98, 27.227, 118.403

Background



This preview shows how black text looks on a background with the CIELCh color 98, 27.227, 118.403.

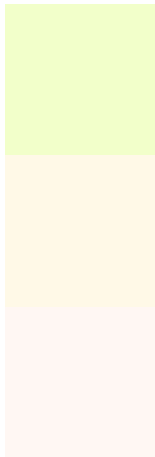


This preview shows how white text looks on a background with the CIELCh color 98, 27.227, 118.403.

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



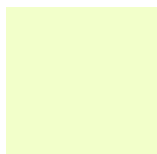
Original Color
98, 27.227, 118.403

Protanopia
98, 9.388, 96.089

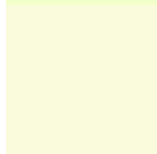
Deuteranopia
98, 3.479, 55.154

Tritanopia
98, 3.658, 301.411

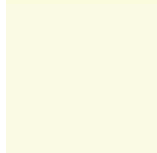
Trichromacy



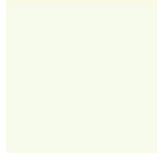
Original Color
98, 27.227, 118.403



Protanomaly
98, 15.231, 110.390



Deuteranomaly
98, 11.177, 109.319

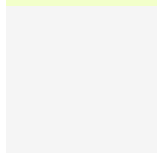


Tritanomaly
98, 7.767, 120.188

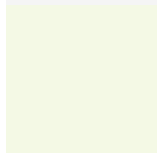
Monochromacy



Original Color
98, 27.227, 118.403



Achromatopsia
97, 0.011, 296.813



Achromatomaly
97, 10.351, 119.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 27.227, 118.403 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(242, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 202)  
}
```

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(242, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 27.227, 118.403 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(242, 255, 202) }
```

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

```
.border{ border-color:rgb(242, 255, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 27.227, 118.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 202) }
```

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

```
.background{ background-color: rgb(242,  
255, 202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor