

# Converting Colors

CIELCh(100, 40.022, 118.958)

Have a look what the booklet for  
CIELCh(100, 40.022, 118.958)  
contains.

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# **Color**

**CIElCh(98, 35.028, 115.026)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4FFBB
RGB	244, 255, 187
RGB Percent	96%, 100%, 73%
CMY	0.0434, 0.0000, 0.2671
CMYK	0.04, 0.00, 0.27, 0.00
HSL	70°, 100%, 87%
HSV	70°, 27%, 100%
XYZ	82.2972, 94.9163, 60.9311
YIQ	243.9590, 15.2720, -23.4800

# Conversions

## Conversions Part 2

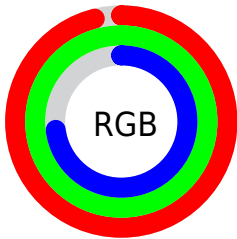
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 255, 198
Decimal	16056251
CIELab	98.00, -14.82, 31.74
CIELCh	98, 35.028, 115.026
Yxy	94.9163, 0.3456, 0.3986
Android (android.graphics.Color)	4294246331 (0xFFFF4FFBB)
YUV	243.9590, -28.0808, 0.0360
Hunter-Lab	97.4250, -19.7105, 31.1166

# Details

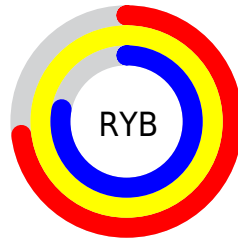
The CIELCh color **98, 35.028, 115.026** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **79, 36.727, 298.908**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 5.566, 109.748**, and **78, 34.463, 114.445** is the 20% darker color. If you saturate the color by 10%, you get **97, 47.109, 113.843**, and if you desaturate by 10%, it is **99, 21.710, 115.316**.

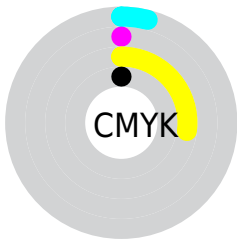
# Distribution



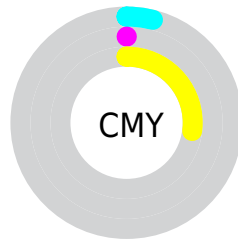
- Red (96%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (78%)



- Cyan (4%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (27%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 35.028, 115.026 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, 35.028, 115.026 by changing the saturation by 10% instead.





 98, 35.028,  
115.026


 98, 35.028,  
115.026


 100, 35.028,  
115.026


 88, 35.028,  
115.026

 78, 35.028,  
115.026

 68, 35.028,  
115.026

 58, 35.028,  
115.026

 48, 35.028,  
115.026

 38, 35.028,  
115.026

 28, 35.028,

115.026

■ 18, 35.028,  
115.026

■ 8, 35.028, 115.026

■ 98, 35.028,  
115.026

■ 98, 35.028,  
115.026

■ 97, 47.109,  
113.843

■ 99, 21.710,  
115.316

■ 96, 59.200,  
113.163

■ 99, 8.733, 116.057

■ 96, 70.517,  
112.575

100, 0.012,  
296.813

■ 95, 80.618,  
112.143

■ 95, 88.923,  
111.946

■ 95, 94.829,  
112.071

■ 94, 98.024,  
112.576

■ 94, 98.702,  
112.793

# Harmonies

# Complementary

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



98, 35.028, 115.026



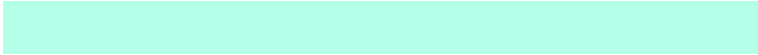
79, 36.727, 298.908

# Rectangle

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



98, 35.028, 115.026



98, 35.028, 165.026



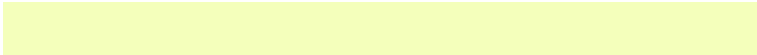
98, 35.028, 295.026



98, 35.028, 345.026

# Sweetspot

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



98, 34.546, 114.571



99, 10.409, 115.962



84, 23.239, 34.242



53, 7.397, 115.851



0, 0.000, 0.000



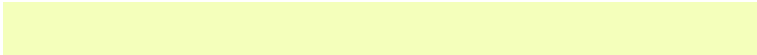
53, 0.007, 296.813



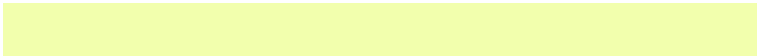


# Same Dimension

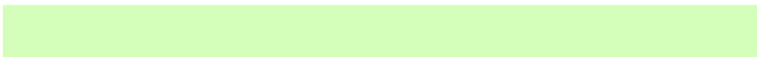
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 34.546, 114.571



97, 41.234, 114.182



96, 38.270, 132.895



53, 7.397, 115.851



73, 79.453, 112.632



25, 35.954, 111.799



# Inverse Universe

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



79, 36.727, 298.908



75, 44.463, 299.493



82, 39.214, 315.288



49, 7.558, 297.280



24, 106.640, 306.957

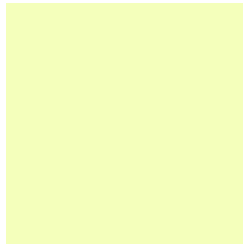


4, 44.485, 304.845



# Previews

## White Background



This preview shows how the CIE LCh color 98, 35.028, 115.026 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, 35.028, 115.026 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

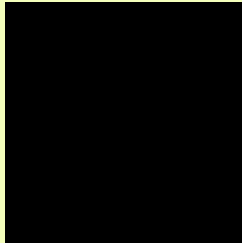
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 98, 35.028, 115.026

## Background



This preview shows how black text looks on a background with the CIELCh color 98, 35.028, 115.026.

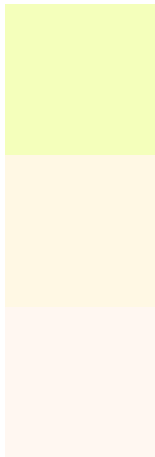


This preview shows how white text looks on a background with the CIELCh color 98, 35.028, 115.026.

# 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, 34.486, 114.542

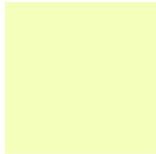
**Protanopia**  
98, 10.471, 95.314

**Deuteranopia**  
98, 4.157, 66.587

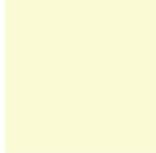


**Tritanopia**  
98, 4.342, 309.174

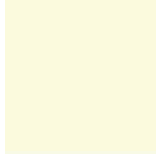
# Trichromacy



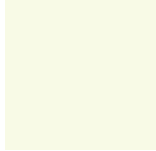
**Original Color**  
98, 34.486, 114.542



**Protanomaly**  
98, 19.267, 108.702

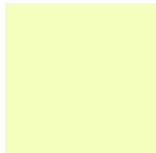


**Deuteranomaly**  
98, 14.728, 107.622

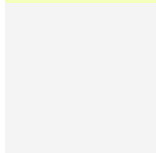


**Tritanomaly**  
98, 10.196, 113.454

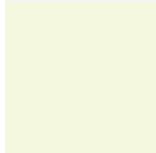
# Monochromacy



**Original Color**  
98, 34.486, 114.542



**Achromatopsia**  
96, 0.011, 296.813



**Achromatomaly**  
97, 12.819, 115.709

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 98, 35.028, 115.026 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(244, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(244, 255, 187)  
}
```

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(244, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 187) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 35.028, 115.026 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(244, 255, 187) }
```

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

```
.border{ border-color:rgb(244, 255, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 255, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 187);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
187) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 35.028, 115.026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 255, 187) }
```

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

```
.background{ background-color: rgb(244,  
255, 187) }
```

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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