

Converting Colors

CIELCh(98, 31.637, 105.193)

Have a look what the booklet for
CIELCh(98, 31.637, 105.193)
contains.

| | |
|--|----|
| CIELCh(98, 31.302, 105.676) | 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, 31.302, 105.676)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFFCBE |
| RGB | 255, 252, 190 |
| RGB Percent | 100%, 99%, 75% |
| CMY | 0.0000, 0.0103, 0.2535 |
| CMYK | 0.00, 0.01, 0.25, 0.00 |
| HSL | 58°, 100%, 87% |
| HSV | 58°, 25%, 100% |
| XYZ | 85.6364, 94.9163, 62.7249 |
| YIQ | 245.8290, 21.6900, -18.6460 |

Conversions

Conversions Part 2

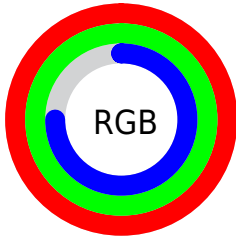
| Format | Color |
|-------------------------------------|--|
| RYB | 193, 255, 190 |
| Decimal | 16776382 |
| CIELab | 98.00, -8.46, 30.14 |
| CIElCh | 98, 31.302, 105.676 |
| Yxy | 94.9163, 0.3520, 0.3902 |
| Android (android.graphics.Color) | 4294966462 (0xFFFFFCBE) |
| YUV | 245.8290, -27.5237, 8.0430 |
| Hunter-Lab | 97.4250, -13.5925, 30.0250 |

Details

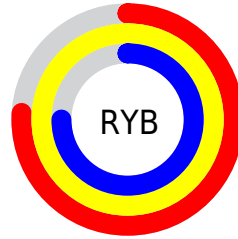
The CIELCh color **98, 31.302, 105.676** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **80, 33.092, 291.626**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 4.046, 109.857**, and **78, 31.638, 105.762** is the 20% darker color. If you saturate the color by 10%, you get **97, 43.378, 104.927**, and if you desaturate by 10%, it is **99, 19.012, 106.961**.

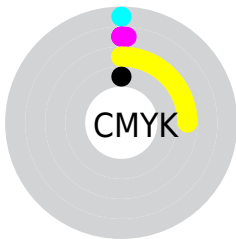
Distribution



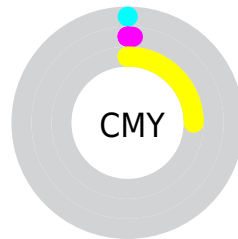
- Red (100%)
- Green (99%)
- Blue (75%)



- Red (76%)
- Yellow (100%)
- Blue (75%)



- Cyan (0%)
- Magenta (1%)
- Yellow (25%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 31.302, 105.676 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, 31.302, 105.676 by changing the saturation by 10% instead.


 98, 31.302,
105.676


 98, 31.302,
105.676


 100, 31.302,
105.676


 88, 31.302,
105.676

 78, 31.302,
105.676

 68, 31.302,
105.676

 58, 31.302,
105.676

 48, 31.302,
105.676

 38, 31.302,
105.676

 28, 31.302,

105.676

■ 18, 31.302,
105.676

■ 8, 31.302, 105.676

■ 98, 31.302,
105.676

■ 98, 31.302,
105.676

■ 97, 43.378,
104.927

■ 99, 19.012,
106.961

■ 97, 55.070,
103.938

■ 100, 6.629,
107.963

■ 96, 66.094,
102.998

100, 0.012,
296.813

■ 96, 76.023,
102.138

■ 95, 84.269,
101.391

■ 95, 90.172,
100.788

■ 95, 93.285,
100.340

■ 94, 94.009,
100.170

Harmonies

Complementary

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



98, 31.302, 105.676



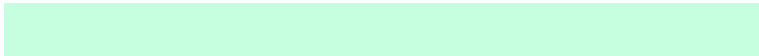
80, 33.092, 291.626

Rectangle

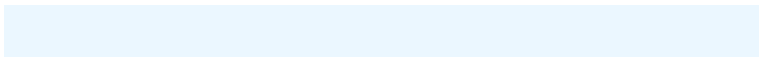
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 31.302, 105.676



98, 31.302, 155.676



98, 31.302, 285.676



98, 31.302, 335.676

Sweetspot

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



98, 31.299, 105.942



99, 9.914, 107.701



83, 24.820, 17.536



53, 7.046, 107.551



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

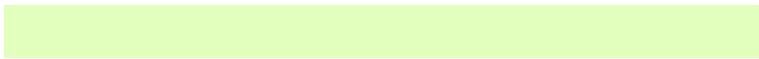
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 31.299, 105.942



98, 36.950, 105.468



97, 34.463, 126.077



53, 7.046, 107.551



73, 75.757, 100.218



25, 34.413, 100.720

Inverse Universe

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



80, 33.092, 291.626



76, 39.539, 292.351



81, 35.849, 308.613



49, 7.193, 289.536



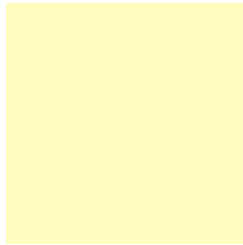
23, 105.964, 305.820



4, 42.839, 301.077

Previews

White Background



This preview shows how the CIE LCh color 98, 31.302, 105.676 looks on a white background.

Color Contrast Check

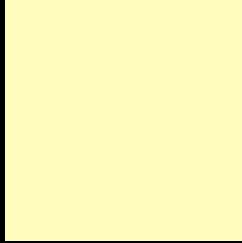
Large Text (above 18pt) WCAG AA × Fail

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, 31.302, 105.676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

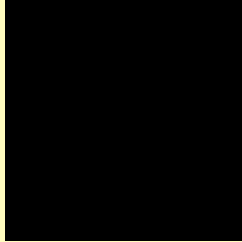
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 31.302, 105.676

Background



This preview shows how black text looks on a background with the CIELCh color 98, 31.302, 105.676.

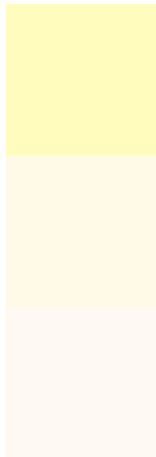


This preview shows how white text looks on a background with the CIELCh color 98, 31.302, 105.676.

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, 31.302, 105.676

Protanopia

98, 9.388, 96.089

Deuteranopia

98, 3.537, 65.249



Tritanopia
98, 4.569, 328.153

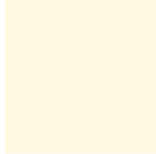
Trichromacy



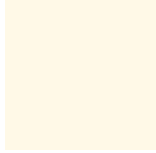
Original Color
98, 31.302, 105.676



Protanomaly
98, 17.344, 102.729

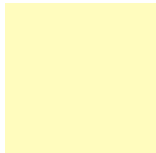


Deuteranomaly
98, 13.318, 101.270

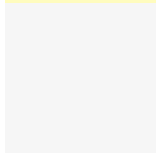


Tritanomaly
98, 9.388, 96.089

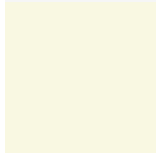
Monochromacy



Original Color
98, 31.302, 105.676



Achromatopsia
97, 0.011, 296.813



Achromatomaly
97, 11.196, 107.454

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 31.302, 105.676 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(255, 252, 190)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 190)  
}
```

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(255, 252, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 31.302, 105.676 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(255, 252, 190) }
```

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

```
.border{ border-color:rgb(255, 252, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 252, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 190);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 31.302, 105.676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 190) }
```

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

```
.background{ background-color: rgb(255,  
252, 190) }
```

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