

Converting Colors

CIELCh(98, 11.938, 100.474)

Have a look what the booklet for
CIELCh(98, 11.938, 100.474)
contains.

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Color

CIElCh(98, 12.312, 100.723)

Conversions

Conversions Part 1

Format	Color
Hex	FFFAE2
RGB	255, 250, 226
RGB Percent	100%, 98%, 89%
CMY	0.0009, 0.0205, 0.1146
CMYK	0.00, 0.02, 0.11, 0.00
HSL	50°, 98%, 94%
HSV	50°, 11%, 100%
XYZ	88.9592, 94.9163, 85.4160
YIQ	248.7590, 10.6840, -6.4040

Conversions

Conversions Part 2

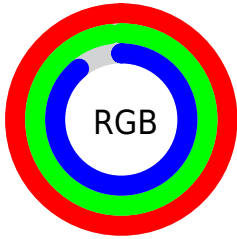
Format	Color
R_{YB}	232, 255, 226
Decimal	16775906
CIE _{Lab}	98.00, -2.29, 12.10
CIE _{LCh}	98, 12.312, 100.723
Yxy	94.9163, 0.3303, 0.3525
Android (android.graphics.Color)	4294965986 (0xFFFFFAE2)
YUV	248.7590, -11.2202, 5.4734
Hunter-Lab	97.4250, -7.5045, 16.2158

Details

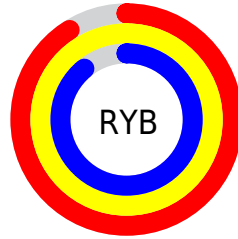
The CIELCh color **98, 12.312, 100.723** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92, 12.507, 283.402**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **78, 12.335, 101.859** is the 20% darker color. If you saturate the color by 10%, you get **96, 23.194, 99.583**, and if you desaturate by 10%, it is **100, 1.479, 101.755**.

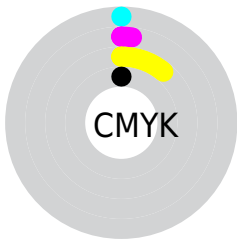
Distribution



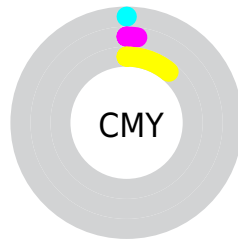
- Red (100%)
- Green (98%)
- Blue (89%)



- Red (91%)
- Yellow (100%)
- Blue (89%)



- Cyan (0%)
- Magenta (2%)
- Yellow (11%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (11%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 98, 12.312, 100.723 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, 12.312, 100.723 by changing the saturation by 10% instead.

 98, 12.312,
100.723


 98, 12.312,
100.723


 100, 12.312,
100.723


 88, 12.312,
100.723


 78, 12.312,
100.723

 68, 12.312,
100.723

 58, 12.312,
100.723

 48, 12.312,
100.723

 38, 12.312,
100.723

 28, 12.312,

100.723

■ 18, 12.312,
100.723

■ 8, 12.312, 100.723

■ 98, 12.312,
100.723

■ 98, 12.312,
100.723

■ 96, 23.194, 99.583

■ 100, 1.479,
101.755

■ 95, 34.058, 98.404

■ 100, 0.082,
207.463

■ 93, 44.802, 97.207

■ 92, 55.239, 96.002

■ 91, 65.059, 94.797

■ 89, 73.760, 93.593

■ 88, 80.630, 92.379

■ 87, 84.885, 91.117

■ 86, 86.388, 89.959

Harmonies

Complementary

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



98, 12.312, 100.723



92, 12.507, 283.402

Rectangle

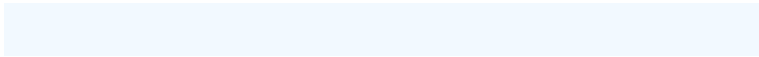
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 12.312, 100.723



98, 12.312, 150.723



98, 12.312, 280.723



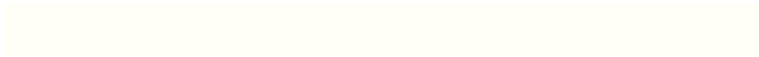
98, 12.312, 330.723

Sweetspot

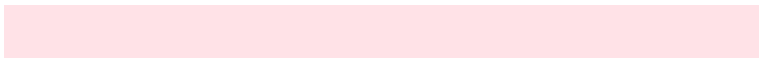
The Sweet Spot groups the original color and five complimentary colors.



98, 12.314, 100.733



99, 3.232, 101.638



92, 10.854, 5.557



53, 2.452, 101.560



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, 12.314, 100.733



98, 15.173, 100.436



99, 15.088, 121.792



52, 6.152, 100.944



66, 69.736, 90.210



22, 31.089, 92.012

Inverse Universe

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



92, 12.507, 283.402



90, 15.459, 283.750



91, 15.421, 303.095



49, 6.236, 283.162



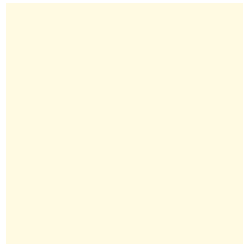
26, 97.166, 303.344



5, 38.633, 298.367

Previews

White Background



This preview shows how the CIE LCh color 98, 12.312, 100.723 looks on a white background.

Color Contrast Check

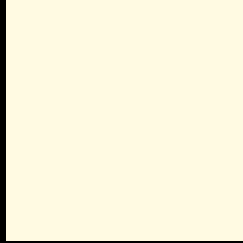
Large Text (above 18pt) WCAG AA × Fail

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, 12.312, 100.723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

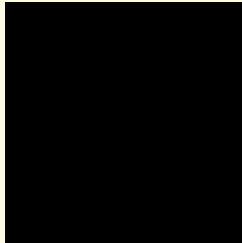
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 12.312, 100.723

Background



This preview shows how black text looks on a background with the CIELCh color 98, 12.312, 100.723.

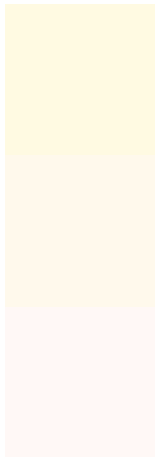


This preview shows how white text looks on a background with the CIELCh color 98, 12.312, 100.723.

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, 12.312, 100.723

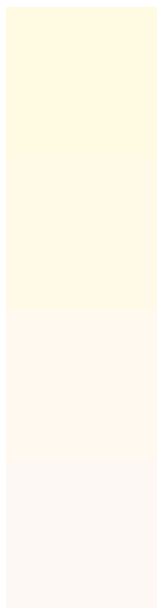
Protanopia
98, 6.933, 91.542

Deuteranopia
98, 2.666, 41.733



Tritanopia
98, 4.791, 321.097

Trichromacy



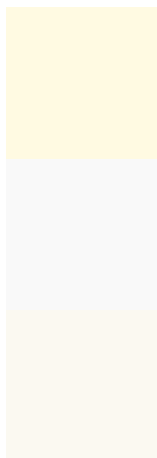
Original Color
98, 12.312, 100.723

Protanomaly
98, 8.893, 95.390

Deuteranomaly
98, 5.498, 86.796

Tritanomaly
98, 2.925, 63.312

Monochromacy



Original Color
98, 12.312, 100.723

Achromatopsia
98, 0.011, 296.813

Achromatomaly
98, 4.118, 99.907

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 12.312, 100.723 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, 250, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 226)  
}
```

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, 250, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 12.312, 100.723 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, 250, 226) }
```

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

```
.border{ border-color:rgb(255, 250, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 250, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 12.312, 100.723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 226) }
```

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

```
.background{ background-color: rgb(255,  
250, 226) }
```

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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