

Converting Colors

CIELCh(100, 13.412, 62.539)

Have a look what the booklet for
CIELCh(100, 13.412, 62.539)
contains.

CIELCh(98, 9.306, 98.273)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIECh(98, 9.306, 98.273)

Conversions

Conversions Part 1

Format	Color
Hex	FEF9E7
RGB	254, 249, 231
RGB Percent	100%, 98%, 91%
CMY	0.0025, 0.0220, 0.0926
CMYK	0.00, 0.02, 0.09, 0.00
HSL	47°, 95%, 95%
HSV	47°, 9%, 100%
XYZ	89.4795, 94.9163, 89.4910
YIQ	248.4430, 8.7580, -4.5380

Conversions

Conversions Part 2

Format	Color
R_{YB}	237, 254, 231
Decimal	16710119
CIE Lab	98.00, -1.34, 9.21
CIE LCh	98, 9.306, 98.273
Yxy	94.9163, 0.3267, 0.3466
Android (android.graphics.Color)	4294900199 (0xFFFEF9E7)
YUV	248.4430, -8.5994, 4.8735
Hunter-Lab	97.4250, -6.5512, 13.7359

Details

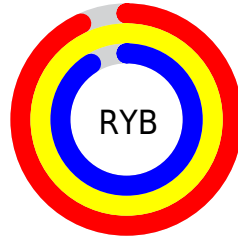
The CIELCh color **98, 9.306, 98.273** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94, 9.402, 280.477**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **78, 9.708, 100.217** is the 20% darker color. If you saturate the color by 10%, you get **96, 19.707, 97.102**, and if you desaturate by 10%, it is **100, 0.193, 217.380**.

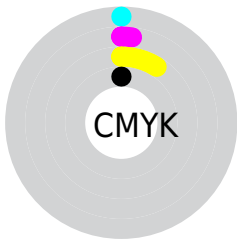
Distribution



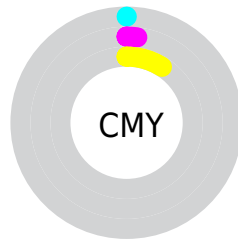
- Red (100%)
- Green (98%)
- Blue (91%)



- Red (93%)
- Yellow (100%)
- Blue (91%)



- Cyan (0%)
- Magenta (2%)
- Yellow (9%)
- Black (0%)



- Cyan (0%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 98, 9.306, 98.273 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, 9.306, 98.273 by changing the saturation by 10% instead.

 98, 9.306, 98.273	 98, 9.306, 98.273
 100, 9.306, 98.273	 88, 9.306, 98.273
	 78, 9.306, 98.273
	 68, 9.306, 98.273
	 58, 9.306, 98.273
	 48, 9.306, 98.273
	 38, 9.306, 98.273
	 28, 9.306, 98.273
	 18, 9.306, 98.273
	 8, 9.306, 98.273

98, 9.306, 98.273

98, 9.306, 98.273

96, 19.707, 97.102

100, 0.193,
217.380

94, 30.156, 95.876

100, 0.217,
202.443

92, 40.577, 94.621

91, 50.826, 93.343

89, 60.648, 92.044

87, 69.612, 90.716

86, 77.055, 89.334

84, 82.135, 87.839

83, 84.375, 86.156

Harmonies

Complementary

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



98, 9.306, 98.273



94, 9.402, 280.477

Rectangle

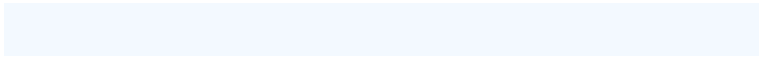
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 9.306, 98.273



98, 9.306, 148.273



98, 9.306, 278.273



98, 9.306, 328.273

Sweetspot

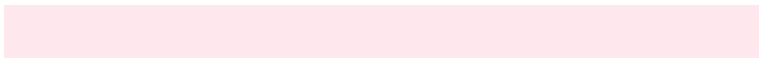
The Sweet Spot groups the original color and five complimentary colors.



98, 9.308, 98.286



99, 3.079, 98.946



94, 8.711, 1.540



53, 2.337, 98.867



0, 0.000, 0.000



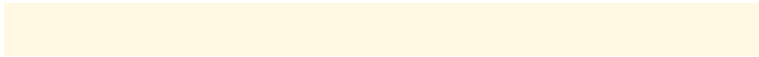
53, 0.007, 296.813

Same Dimension

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



98, 9.308, 98.286



98, 11.366, 98.058



99, 11.876, 119.998



52, 5.869, 98.232



64, 68.312, 86.323



21, 30.104, 88.530

Inverse Universe

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



94, 9.402, 280.477



93, 11.496, 280.734



93, 12.102, 301.113



50, 5.930, 280.537



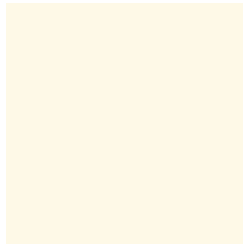
28, 92.677, 301.922



6, 37.000, 297.076

Previews

White Background



This preview shows how the CIE LCh color 98, 9.306, 98.273 looks on a white background.

Color Contrast Check

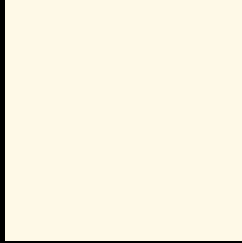
Large Text (above 18pt) WCAG AA × Fail

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, 9.306, 98.273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

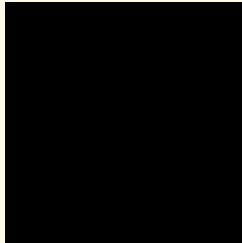
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 9.306, 98.273

Background



This preview shows how black text looks on a background with the CIELCh color 98, 9.306, 98.273.

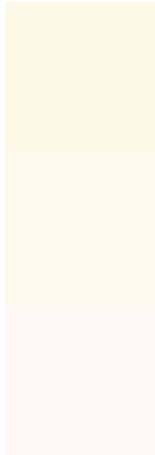


This preview shows how white text looks on a background with the CIELCh color 98, 9.306, 98.273.

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, 9.313, 98.269

Protanopia

98, 6.450, 90.201

Deuteranopia

98, 2.666, 41.733



Tritanopia
98, 4.619, 317.378

Trichromacy



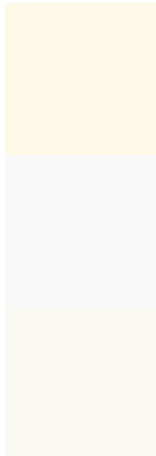
Original Color
98, 9.313, 98.269

Protanomaly
98, 7.419, 92.702

Deuteranomaly
98, 4.574, 81.960

Tritanomaly
98, 2.025, 49.322

Monochromacy



Original Color
98, 9.313, 98.269

Achromatopsia
98, 0.011, 296.813

Achromatomaly
98, 3.119, 96.787

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 9.306, 98.273 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(254, 249, 231)` looks like.

```
.text, #text, p{  
    color:rgb(254, 249, 231)  
}
```

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(254, 249, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 249, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 9.306, 98.273 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(254, 249, 231) }
```

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

```
.border{ border-color:rgb(254, 249, 231) }
```

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

Here you see how a box with a 4 pixel rgb(254, 249, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 249, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 249, 231);  
box-shadow:4px 4px 4px 4px rgb(254, 249,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 9.306, 98.273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 249, 231) }
```

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

```
.background{ background-color: rgb(254,  
249, 231) }
```

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