

# Converting Colors

CIELCh(98, 10.932, 97.730)

Have a look what the booklet for  
CIELCh(98, 10.932, 97.730) contains.

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# **Color**

**CIELCh(98, 10.880, 97.783)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF9E4
RGB	255, 249, 228
RGB Percent	100%, 98%, 89%
CMY	0.0000, 0.0221, 0.1045
CMYK	0.00, 0.02, 0.10, 0.00
HSL	47°, 100%, 95%
HSV	47°, 10%, 100%
XYZ	89.4060, 94.9163, 87.2591
YIQ	248.4000, 10.3170, -5.2590

# Conversions

## Conversions Part 2

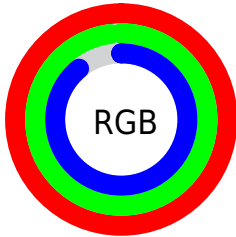
Format	Color
R <sub>Y</sub> B	236, 255, 228
Decimal	16775652
CIE Lab	98.00, -1.47, 10.78
CIE LCh	98, 10.880, 97.783
Yxy	94.9163, 0.3292, 0.3495
Android (android.graphics.Color)	4294965732 (0xFFFFF9E4)
YUV	248.4000, -10.0572, 5.7882
Hunter-Lab	97.4250, -6.6860, 15.0942

# Details

The CIELCh color **98, 10.880, 97.783** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93, 10.982, 280.992**, 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, 10.822, 98.960** is the 20% darker color. If you saturate the color by 10%, you get **96, 21.341, 97.278**, and if you desaturate by 10%, it is **100, 0.457, 99.208**.

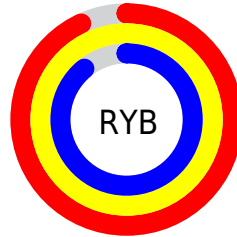
# Distribution



Red (100%)

Green (98%)

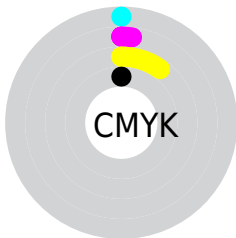
Blue (89%)



Red (93%)

Yellow (100%)

Blue (89%)

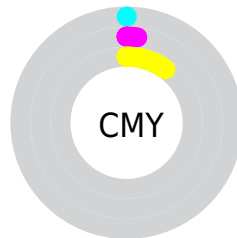


Cyan (0%)

Magenta (2%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (2%)

Yellow (10%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 10.880, 97.783 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, 10.880, 97.783 by changing the saturation by 10% instead.



 98, 10.880, 97.783

 98, 10.880, 97.783

 100, 10.880,  
97.783

 88, 10.880, 97.783

 78, 10.880, 97.783

 68, 10.880, 97.783

 58, 10.880, 97.783

 48, 10.880, 97.783

 38, 10.880, 97.783

 28, 10.880, 97.783

 18, 10.880, 97.783

 8, 10.880, 97.783

98, 10.880, 97.783

98, 10.880, 97.783

96, 21.341, 97.278

100, 0.457, 99.208

94, 31.861, 96.054

100, 0.012,  
296.813

93, 42.329, 94.802

91, 52.585, 93.530

89, 62.352, 92.238

88, 71.164, 90.920

86, 78.322, 89.547

85, 82.986, 88.061

83, 84.873, 86.478

# Harmonies

# Complementary

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



98, 10.880, 97.783



93, 10.982, 280.992

# Rectangle

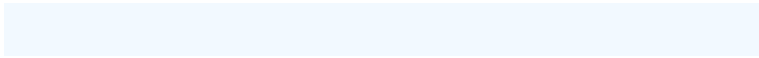
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 10.880, 97.783



98, 10.880, 147.783



98, 10.880, 277.783



98, 10.880, 327.783

# Sweetspot

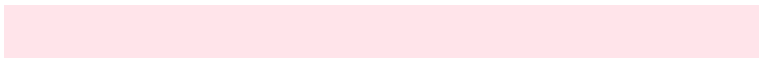
The Sweet Spot groups the original color and five complimentary colors.



98, 10.857, 98.464



99, 3.097, 99.285



93, 10.066, 2.934



53, 2.351, 99.206



0, 0.000, 0.000



53, 0.007, 296.813

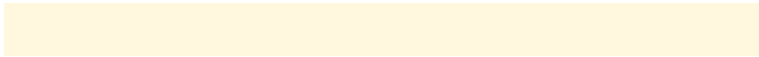


# Same Dimension

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



98, 10.857, 98.464



97, 13.522, 98.167



99, 13.796, 120.559



52, 5.903, 98.574



64, 68.464, 86.803



22, 30.218, 88.965





# Inverse Universe

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



93, 10.982, 280.992



91, 13.706, 281.334



92, 14.090, 301.821



49, 5.966, 280.868



28, 93.251, 302.111

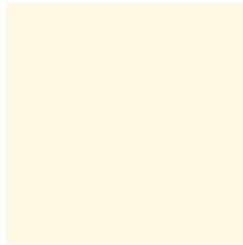


6, 37.211, 297.251



# Previews

## White Background



This preview shows how the CIE LCh color 98, 10.880, 97.783 looks on a white background.

## Color Contrast Check

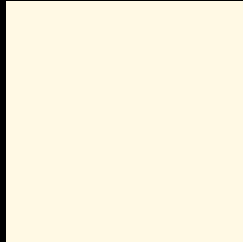
Large Text (above 18pt) WCAG AA × Fail

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, 10.880, 97.783 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

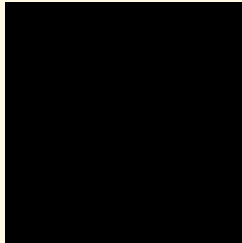
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# **CIELCh 98, 10.880, 97.783**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 98, 10.880, 97.783.

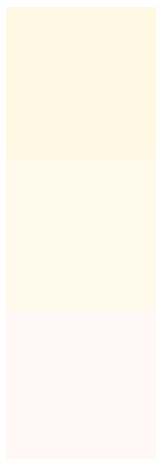


This preview shows how white text looks on a background with the CIELCh color 98, 10.880, 97.783.

# 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, 10.880, 97.783

### Protanopia

98, 6.933, 91.542

### Deuteranopia

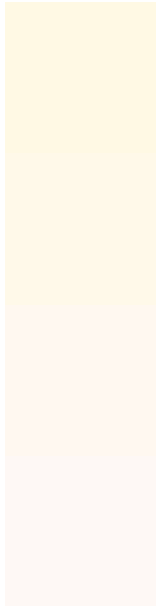
98, 2.666, 41.733



**Tritanopia**  
98, 4.791, 321.097



# Trichromacy



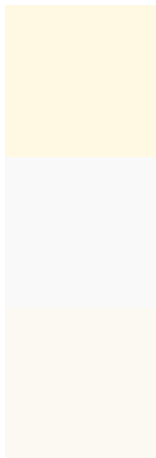
**Original Color**  
98, 10.880, 97.783

**Protanomaly**  
98, 8.400, 94.603

**Deuteranomaly**  
98, 4.754, 78.119

**Tritanomaly**  
98, 2.599, 55.190

# Monochromacy



**Original Color**  
98, 10.880, 97.783

**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, 10.880, 97.783 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, 249, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 228)  
}
```

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, 249, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 228) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 10.880, 97.783 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, 249, 228) }
```

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

```
.border{ border-color:rgb(255, 249, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
228) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 10.880, 97.783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 228) }
```

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

```
.background{ background-color: rgb(255,  
249, 228) }
```

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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