

# Converting Colors

CIELCh(98, 7.707, 93.600)

Have a look what the booklet for  
CIELCh(98, 7.707, 93.600) contains.

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# **Color**

**CIELCh(98, 7.909, 93.714)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF9EA
RGB	255, 249, 234
RGB Percent	100%, 98%, 92%
CMY	0.0002, 0.0237, 0.0825
CMYK	0.00, 0.02, 0.08, 0.00
HSL	43°, 100%, 96%
HSV	43°, 8%, 100%
XYZ	89.9332, 94.9163, 91.3913
YIQ	249.0840, 8.3910, -3.3930

# Conversions

## Conversions Part 2

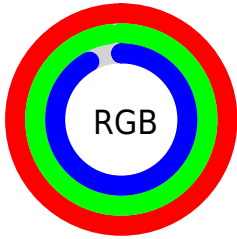
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 255, 234
Decimal	16775658
CIE Lab	98.00, -0.51, 7.89
CIE LCh	98, 7.909, 93.714
Yxy	94.9163, 0.3256, 0.3436
Android (android.graphics.Color)	4294965738 (0xFFFFF9EA)
YUV	249.0840, -7.4364, 5.1883
Hunter-Lab	97.4250, -5.7200, 12.5794

# Details

The CIELCh color **98, 7.909, 93.714** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95, 7.947, 275.842**, 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, 8.208, 96.025** is the 20% darker color. If you saturate the color by 10%, you get **96, 17.668, 92.491**, and if you desaturate by 10%, it is **100, 0.017, 242.412**.

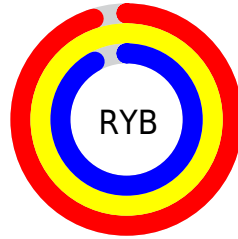
# Distribution



Red (100%)

Green (98%)

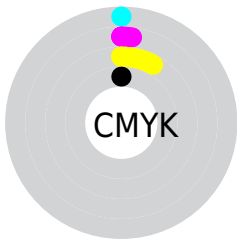
Blue (92%)



Red (95%)

Yellow (100%)

Blue (92%)

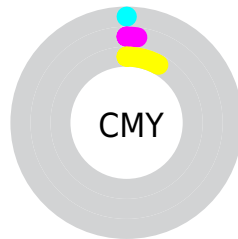


Cyan (0%)

Magenta (2%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (2%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 98, 7.909, 93.714 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, 7.909, 93.714 by changing the saturation by 10% instead.



 98, 7.909, 93.714	 98, 7.909, 93.714
 100, 7.909, 93.714	 88, 7.909, 93.714
	 78, 7.909, 93.714
	 68, 7.909, 93.714
	 58, 7.909, 93.714
	 48, 7.909, 93.714
	 38, 7.909, 93.714
	 28, 7.909, 93.714
	 18, 7.909, 93.714
	 8, 7.909, 93.714

98, 7.909, 93.714

98, 7.909, 93.714

96, 17.668, 92.491

100, 0.017,  
242.412

93, 27.556, 91.198

91, 37.521, 89.865

89, 47.455, 88.494

87, 57.147, 87.080

85, 66.223, 85.601

83, 74.053, 84.004

81, 79.754, 82.187

79, 82.600, 80.012

# Harmonies

# Complementary

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



98, 7.909, 93.714



95, 7.947, 275.842

# Rectangle

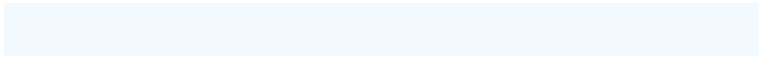
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 7.909, 93.714



98, 7.909, 143.714



98, 7.909, 273.714



98, 7.909, 323.714

# Sweetspot

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



98, 7.911, 93.731



100, 1.903, 94.392



94, 8.186, 356.676



53, 1.082, 94.397



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, 7.911, 93.731



98, 9.622, 93.518



99, 10.755, 117.434



52, 5.468, 93.578



61, 66.892, 80.076



20, 28.816, 82.728





# Inverse Universe

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



95, 7.947, 275.842



94, 9.666, 276.078



94, 10.957, 298.580



50, 5.493, 276.011



31, 84.877, 299.133

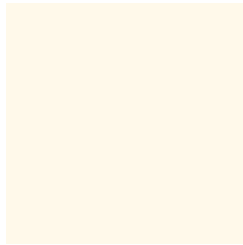


7, 34.055, 294.305



# Previews

## White Background



This preview shows how the CIELCh color 98, 7.909, 93.714 looks on a white background.

## Color Contrast Check

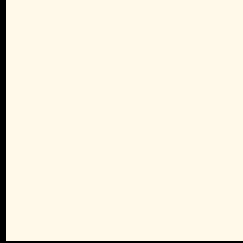
Large Text (above 18pt) WCAG AA × Fail

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, 7.909, 93.714 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

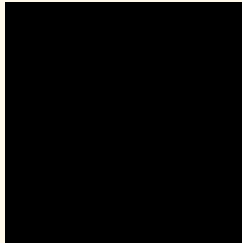
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 98, 7.909, 93.714

## Background



This preview shows how black text looks on a background with the CIELCh color 98, 7.909, 93.714.

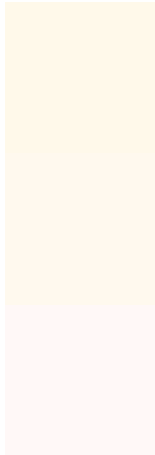


This preview shows how white text looks on a background with the CIELCh color 98, 7.909, 93.714.

# 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, 7.909, 93.714

### Protanopia

98, 5.971, 88.637

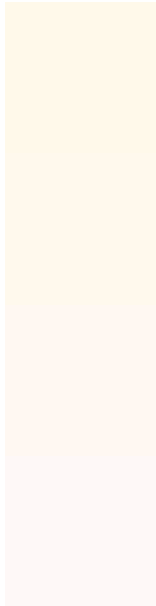
### Deuteranopia

98, 2.519, 30.953

**Tritanopia**  
98, 4.619, 317.378



# Trichromacy



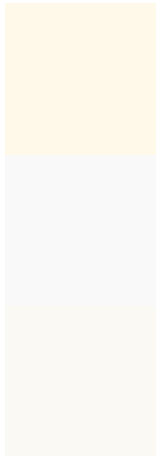
**Original Color**  
98, 7.909, 93.714

**Protanomaly**  
98, 6.450, 90.201

**Deuteranomaly**  
98, 3.919, 70.425

**Tritanomaly**  
98, 2.172, 32.785

# Monochromacy



**Original Color**  
98, 7.909, 93.714

**Achromatopsia**  
98, 0.011, 296.813

**Achromatomaly**  
98, 2.625, 94.317

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 98, 7.909, 93.714 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 234) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 7.909, 93.714 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, 234) }
```

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

```
.border{ border-color:rgb(255, 249, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
234) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 7.909, 93.714 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, 234) }
```

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

```
.background{ background-color: rgb(255,  
249, 234) }
```

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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