

Converting Colors

CIE LCh(99, 12.115, 52.083)

Have a look what the booklet for
CIELCh(99, 12.115, 52.083) contains.

CIELCh(98, 7.198, 86.036)	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

CIELCh(98, 7.198, 86.036)

Conversions

Conversions Part 1

Format	Color
Hex	FFF8EB
RGB	255, 248, 235
RGB Percent	100%, 97%, 92%
CMY	0.0000, 0.0259, 0.0770
CMYK	0.00, 0.03, 0.08, 0.00
HSL	40°, 100%, 96%
HSV	40°, 8%, 100%
XYZ	90.4894, 94.9163, 92.4294
YIQ	248.6110, 8.3450, -2.5590

Conversions

Conversions Part 2

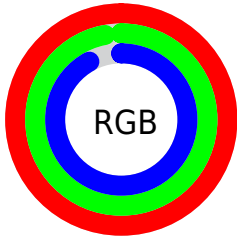
Format	Color
R _Y B	246, 255, 235
Decimal	16775403
CIE Lab	98.00, 0.50, 7.18
CIE LCh	98, 7.198, 86.036
Yxy	94.9163, 0.3257, 0.3416
Android (android.graphics.Color)	4294965483 (0xFFFFF8EB)
YUV	248.6110, -6.7102, 5.6032
Hunter-Lab	97.4250, -4.7009, 11.9476

Details

The CIELCh color **98, 7.198, 86.036** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95, 7.019, 271.896**, 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, 7.288, 91.298** is the 20% darker color. If you saturate the color by 10%, you get **95, 16.321, 88.581**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

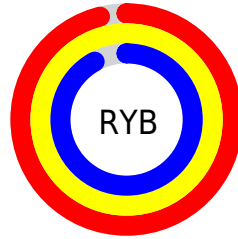
Distribution



Red (100%)

Green (97%)

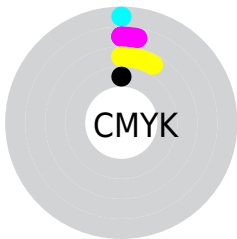
Blue (92%)



Red (96%)

Yellow (100%)

Blue (92%)

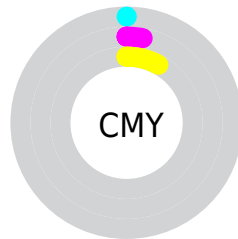


Cyan (0%)

Magenta (3%)

Yellow (8%)

Black (0%)



Cyan (0%)













Magenta (3%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 98, 7.198, 86.036 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, 7.198, 86.036 by changing the saturation by 10% instead.

 98, 7.198, 86.036	 98, 7.198, 86.036
 100, 7.198, 86.036	 88, 7.198, 86.036
	 78, 7.198, 86.036
	 68, 7.198, 86.036
	 58, 7.198, 86.036
	 48, 7.198, 86.036
	 38, 7.198, 86.036
	 28, 7.198, 86.036
	 18, 7.198, 86.036
	 8, 7.198, 86.036

98, 7.198, 86.036

98, 7.198, 86.036

95, 16.321, 88.581

100, 0.012,
296.813

93, 25.819, 87.253

90, 35.475, 85.882

88, 45.204, 84.467

85, 54.832, 83.001

83, 64.027, 81.451

81, 72.200, 79.750

78, 78.457, 77.761

76, 81.918, 75.293

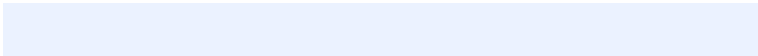
Harmonies

Complementary

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



98, 7.198, 86.036



95, 7.019, 271.896

Rectangle

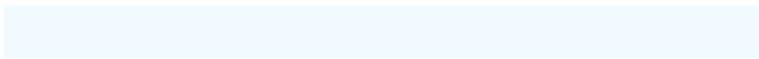
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 7.198, 86.036



98, 7.198, 136.036



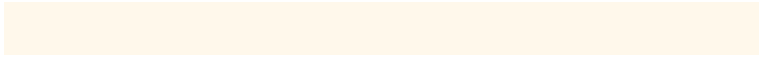
98, 7.198, 266.036



98, 7.198, 316.036

Sweetspot

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



98, 7.015, 89.848



99, 1.804, 90.442



95, 7.850, 353.240



53, 1.025, 90.446



0, 0.000, 0.000



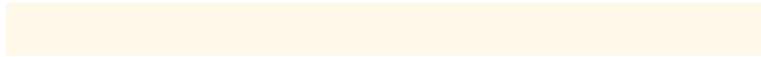
53, 0.007, 296.813

Same Dimension

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



98, 7.015, 89.848



98, 8.216, 89.688



99, 10.005, 115.485



52, 5.194, 89.626



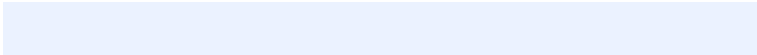
58, 66.464, 75.245



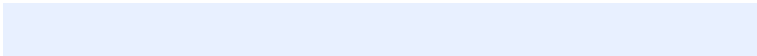
19, 28.049, 78.013

Inverse Universe

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



95, 7.019, 271.896



95, 8.213, 272.072



94, 10.188, 296.660



50, 5.190, 272.141



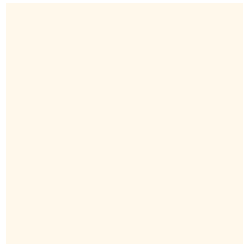
33, 78.558, 296.499



8, 31.511, 291.331

Previews

White Background



This preview shows how the CIELCh color 98, 7.198, 86.036 looks on a white background.

Color Contrast Check

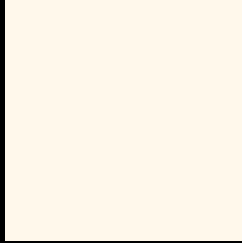
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 98, 7.198, 86.036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

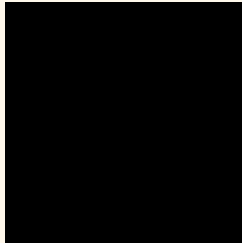
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 7.198, 86.036

Background



This preview shows how black text looks on a background with the CIELCh color 98, 7.198, 86.036.

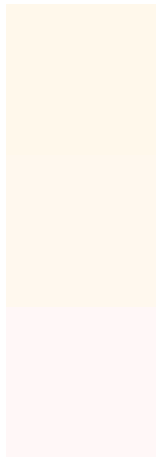


This preview shows how white text looks on a background with the CIELCh color 98, 7.198, 86.036.

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, 7.057, 88.741

Protanopia

98, 5.650, 83.422

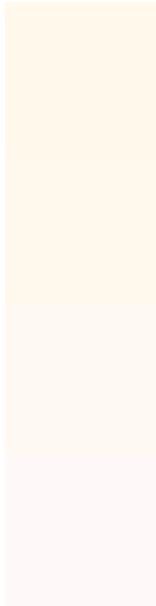
Deuteranopia

98, 2.827, 19.362



Tritanopia
98, 4.619, 317.378

Trichromacy



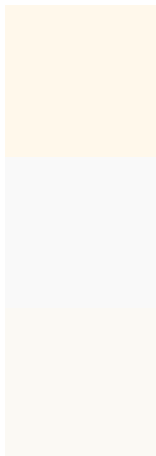
Original Color
98, 7.057, 88.741

Protanomaly
98, 6.113, 85.472

Deuteranomaly
98, 3.537, 65.249

Tritanomaly
98, 2.116, 19.237

Monochromacy



Original Color
98, 7.057, 88.741

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, 7.198, 86.036 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, 248, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 235)  
}
```

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, 248, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 7.198, 86.036 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, 248, 235) }
```

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

```
.border{ border-color:rgb(255, 248, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 7.198, 86.036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 235) }
```

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

```
.background{ background-color: rgb(255,  
248, 235) }
```

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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