

Converting Colors

CIELCh(100, 17.794, 66.700)

Have a look what the booklet for
CIELCh(100, 17.794, 66.700)
contains.

CIELCh(98, 12.880, 99.385)	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, 12.880, 99.385)

Conversions

Conversions Part 1

Format	Color
Hex	FFFAE1
RGB	255, 250, 225
RGB Percent	100%, 98%, 88%
CMY	0.0000, 0.0211, 0.1192
CMYK	0.00, 0.02, 0.12, 0.00
HSL	49°, 100%, 94%
HSV	49°, 12%, 100%
XYZ	89.0632, 94.9163, 84.5706
YIQ	248.6450, 11.0050, -6.7150

Conversions

Conversions Part 2

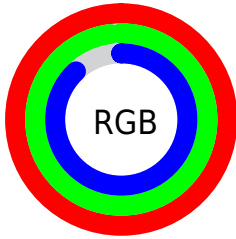
Format	Color
R _Y B	231, 255, 225
Decimal	16775905
CIE Lab	98.00, -2.10, 12.71
CIE LCh	98, 12.880, 99.385
Yxy	94.9163, 0.3316, 0.3534
Android (android.graphics.Color)	4294965985 (0xFFFFFAE1)
YUV	248.6450, -11.6570, 5.5733
Hunter-Lab	97.4250, -7.3140, 16.7303

Details

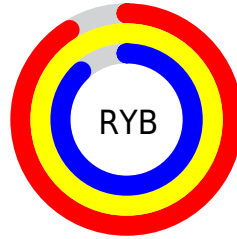
The CIELCh color **98, 12.880, 99.385** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92, 13.051, 283.194**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **78, 12.863, 102.093** is the 20% darker color. If you saturate the color by 10%, you get **96, 23.685, 99.225**, and if you desaturate by 10%, it is **100, 2.056, 101.440**.

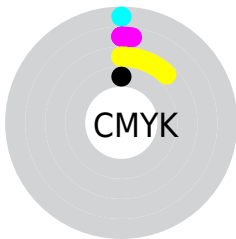
Distribution



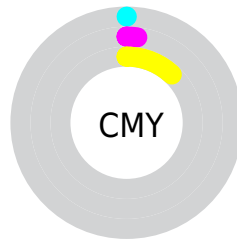
- Red (100%)
- Green (98%)
- Blue (88%)



- Red (91%)
- Yellow (100%)
- Blue (88%)



- Cyan (0%)
- Magenta (2%)
- Yellow (12%)
- Black (0%)



- Cyan (0%)
- Magenta (2%)
- Yellow (12%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 98, 12.880, 99.385 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, 12.880, 99.385 by changing the saturation by 10% instead.

 98, 12.880, 99.385

 98, 12.880, 99.385

 100, 12.880,
99.385

 88, 12.880, 99.385

 78, 12.880, 99.385

 68, 12.880, 99.385

 58, 12.880, 99.385

 48, 12.880, 99.385

 38, 12.880, 99.385

 28, 12.880, 99.385

 18, 12.880, 99.385

 8, 12.880, 99.385

98, 12.880, 99.385

98, 12.880, 99.385

96, 23.685, 99.225

100, 2.056,
101.440

95, 34.509, 98.038

100, 0.012,
296.813

93, 45.211, 96.833

92, 55.604, 95.618

90, 65.368, 94.402

89, 73.992, 93.182

88, 80.752, 91.944

87, 84.864, 90.647

86, 86.230, 89.527

Harmonies

Complementary

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



98, 12.880, 99.385



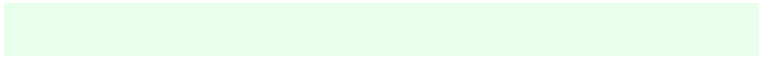
92, 13.051, 283.194

Rectangle

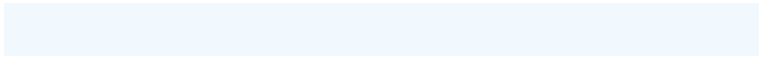
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 12.880, 99.385



98, 12.880, 149.385



98, 12.880, 279.385



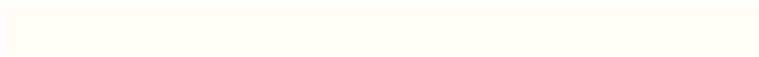
98, 12.880, 329.385

Sweetspot

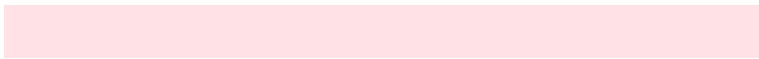
The Sweet Spot groups the original color and five complimentary colors.



98, 12.847, 100.382



99, 4.291, 101.253



92, 11.398, 5.616



53, 3.052, 101.175



0, 0.000, 0.000



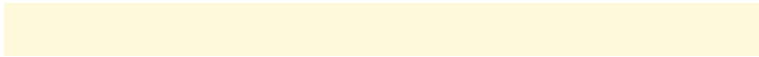
53, 0.007, 296.813

Same Dimension

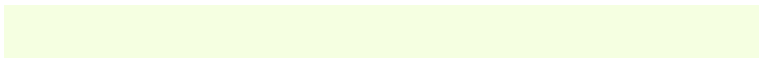
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 12.847, 100.382



98, 15.095, 100.145



99, 15.819, 121.761



52, 6.120, 100.655



66, 69.560, 89.789



22, 30.975, 91.638

Inverse Universe

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



92, 13.051, 283.194



90, 15.372, 283.473



91, 16.184, 303.130



49, 6.201, 282.883



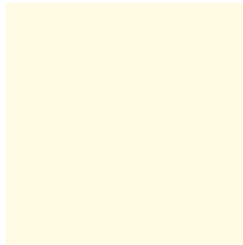
26, 96.698, 303.201



6, 38.463, 298.240

Previews

White Background



This preview shows how the CIE LCh color 98, 12.880, 99.385 looks on a white background.

Color Contrast Check

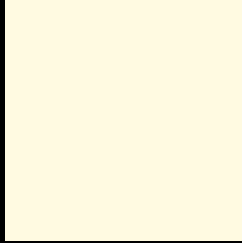
Large Text (above 18pt) WCAG AA × Fail

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, 12.880, 99.385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

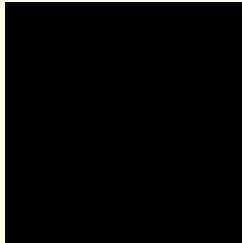
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 12.880, 99.385

Background



This preview shows how black text looks on a background with the CIELCh color 98, 12.880, 99.385.

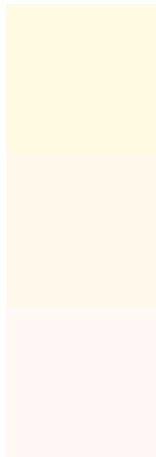


This preview shows how white text looks on a background with the CIELCh color 98, 12.880, 99.385.

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, 12.815, 101.009

Protanopia

98, 7.419, 92.702

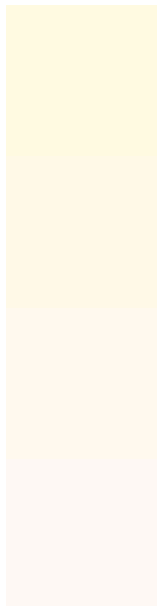
Deuteranopia

98, 2.896, 51.088



Tritanopia
98, 4.791, 321.097

Trichromacy



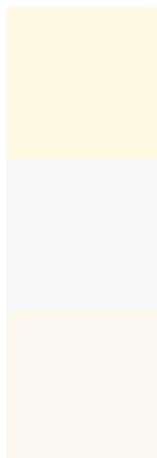
Original Color
98, 12.815, 101.009

Protanomaly
98, 9.388, 96.089

Deuteranomaly
98, 5.971, 88.637

Tritanomaly
98, 2.925, 63.312

Monochromacy



Original Color
98, 12.815, 101.009

Achromatopsia
98, 0.011, 296.813

Achromatomaly
98, 5.124, 101.775

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 12.880, 99.385 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 12.880, 99.385 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, 225) }
```

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

```
.border{ border-color:rgb(255, 250, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 12.880, 99.385 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, 225) }
```

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

```
.background{ background-color: rgb(255,  
250, 225) }
```

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