

Converting Colors

CIELCh(100, 18.966, 59.850)

Have a look what the booklet for
CIELCh(100, 18.966, 59.850)
contains.

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Color

CIELCh(98, 12.457, 97.367)

Conversions

Conversions Part 1

Format	Color
Hex	FFF9E1
RGB	255, 249, 225
RGB Percent	100%, 98%, 88%
CMY	0.0000, 0.0222, 0.1165
CMYK	0.00, 0.02, 0.12, 0.00
HSL	49°, 100%, 94%
HSV	49°, 12%, 100%
XYZ	89.3381, 94.9163, 85.0593
YIQ	248.0580, 11.2800, -6.1920

Conversions

Conversions Part 2

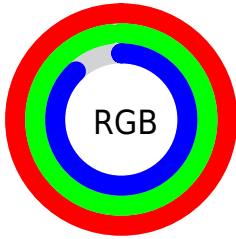
Format	Color
R _Y B	233, 255, 225
Decimal	16775649
CIE Lab	98.00, -1.60, 12.35
CIE LCh	98, 12.457, 97.367
Yxy	94.9163, 0.3317, 0.3524
Android (android.graphics.Color)	4294965729 (0xFFFFF9E1)
YUV	248.0580, -11.3676, 6.0881
Hunter-Lab	97.4250, -6.8102, 16.4329

Details

The CIELCh color **98, 12.457, 97.367** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92, 12.548, 282.375**, 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, 12.399, 100.073** is the 20% darker color. If you saturate the color by 10%, you get **96, 23.067, 98.428**, and if you desaturate by 10%, it is **100, 1.733, 100.650**.

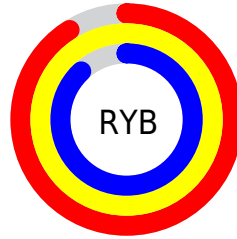
Distribution



Red (100%)

Green (98%)

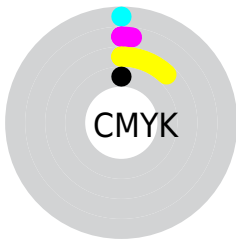
Blue (88%)



Red (91%)

Yellow (100%)

Blue (88%)

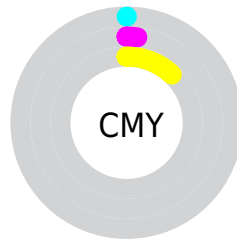


Cyan (0%)

Magenta (2%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (2%)

Yellow (12%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 98, 12.457, 97.367 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, 12.457, 97.367 by changing the saturation by 10% instead.

 98, 12.457, 97.367

 98, 12.457, 97.367

 100, 12.457,
97.367

 88, 12.457, 97.367

 78, 12.457, 97.367

 68, 12.457, 97.367

 58, 12.457, 97.367

 48, 12.457, 97.367

 38, 12.457, 97.367

 28, 12.457, 97.367

 18, 12.457, 97.367

 8, 12.457, 97.367

98, 12.457, 97.367

98, 12.457, 97.367

96, 23.067, 98.428

100, 1.733,
100.650

94, 33.769, 97.225

100, 0.012,
296.813

93, 44.373, 96.000

91, 54.700, 94.761

90, 64.442, 93.513

88, 73.100, 92.252

87, 79.951, 90.956

86, 84.187, 89.577

85, 85.655, 88.326

Harmonies

Complementary

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



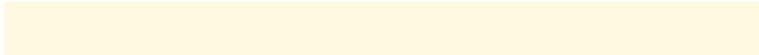
98, 12.457, 97.367



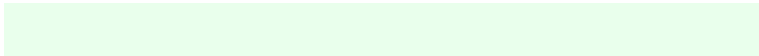
92, 12.548, 282.375

Rectangle

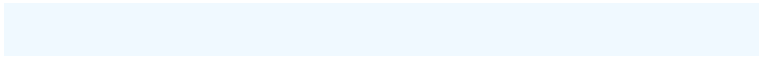
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 12.457, 97.367



98, 12.457, 147.367



98, 12.457, 277.367



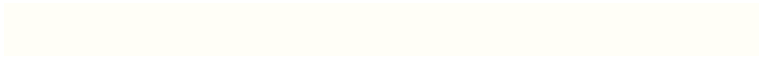
98, 12.457, 327.367

Sweetspot

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



98, 12.370, 99.598



99, 3.167, 100.545



92, 11.186, 4.319



53, 2.403, 100.467



0, 0.000, 0.000



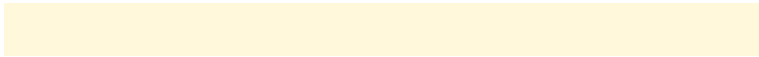
53, 0.007, 296.813

Same Dimension

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



98, 12.370, 99.598



97, 14.883, 99.327



99, 15.412, 121.134



52, 6.032, 99.843



65, 69.097, 88.612



22, 30.666, 90.590

Inverse Universe

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



92, 12.548, 282.375



90, 15.134, 282.693



91, 15.767, 302.508



49, 6.107, 282.097



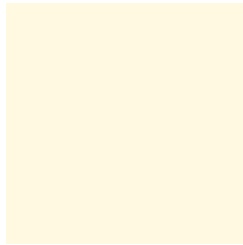
27, 95.367, 302.788



6, 37.980, 297.869

Previews

White Background



This preview shows how the CIELCh color 98, 12.457, 97.367 looks on a white background.

Color Contrast Check

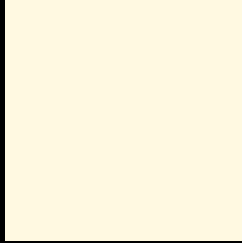
Large Text (above 18pt) WCAG AA × Fail

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, 12.457, 97.367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

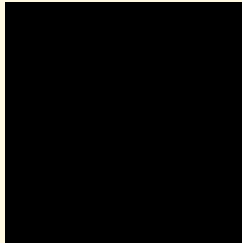
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 12.457, 97.367

Background



This preview shows how black text looks on a background with the CIELCh color 98, 12.457, 97.367.

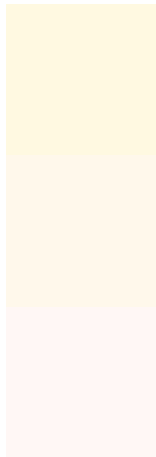


This preview shows how white text looks on a background with the CIELCh color 98, 12.457, 97.367.

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, 12.379, 99.038

Protanopia

98, 7.057, 88.741

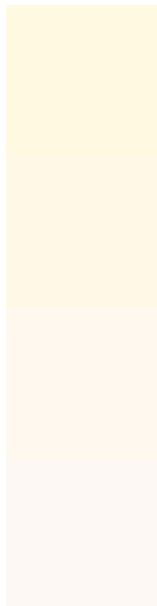
Deuteranopia

98, 3.001, 39.179



Tritanopia
98, 4.791, 321.097

Trichromacy



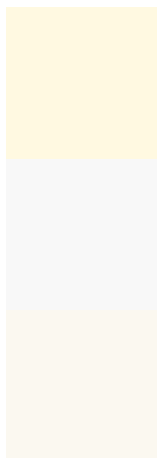
Original Color
98, 12.379, 99.038

Protanomaly
98, 8.994, 93.134

Deuteranomaly
98, 5.650, 83.422

Tritanomaly
98, 2.925, 63.312

Monochromacy



Original Color
98, 12.379, 99.038

Achromatopsia
98, 0.011, 296.813

Achromatomaly
98, 4.194, 95.092

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 12.457, 97.367 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 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, 249, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 12.457, 97.367 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, 225) }
```

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

```
.border{ border-color:rgb(255, 249, 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, 249, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 12.457, 97.367 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, 225) }
```

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

```
.background{ background-color: rgb(255,  
249, 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](#).

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