

Converting Colors

CIELCh(100, 12.443, 45.390)

Have a look what the booklet for
CIELCh(100, 12.443, 45.390)
contains.

| | |
|--|----|
| CIELCh(98, 5.971, 88.637) | 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, 5.971, 88.637)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | FFF9EE |
| RGB | 255, 249, 238 |
| RGB Percent | 100%, 98%, 93% |
| CMY | 0.0012, 0.0247, 0.0679 |
| CMYK | 0.00, 0.02, 0.07, 0.00 |
| HSL | 39°, 96%, 97% |
| HSV | 39°, 7%, 100% |
| XYZ | 90.2933, 94.9163, 94.2147 |
| YIQ | 249.5400, 7.1070, -2.1490 |

Conversions

Conversions Part 2

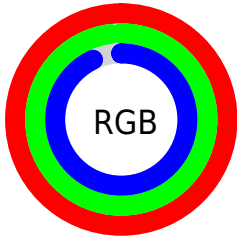
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 247, 255, 238 |
| Decimal | 16775662 |
| CIE Lab | 98.00, 0.14, 5.97 |
| CIE LCh | 98, 5.971, 88.637 |
| Yxy | 94.9163, 0.3231, 0.3397 |
| Android (android.graphics.Color) | 4294965742 (0xFFFFF9EE) |
| YUV | 249.5400, -5.6892, 4.7884 |
| Hunter-Lab | 97.4250, -5.0602, 10.8612 |

Details

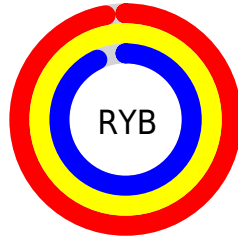
The CIELCh color **98, 5.971, 88.637** is a light color, and the websafe version is hex FFFFFFF. A complement of this color would be **96, 5.973, 270.468**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **78, 6.147, 91.735** is the 20% darker color. If you saturate the color by 10%, you get **95, 15.119, 87.396**, and if you desaturate by 10%, it is **100, 0.107, 205.592**.

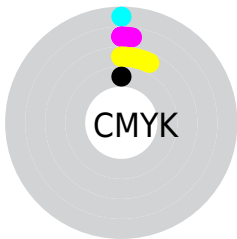
Distribution



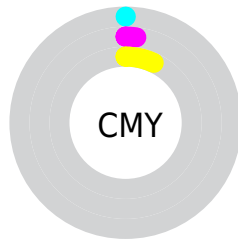
- Red (100%)
- Green (98%)
- Blue (93%)



- Red (97%)
- Yellow (100%)
- Blue (93%)



- Cyan (0%)
- Magenta (2%)
- Yellow (7%)
- Black (0%)



- Cyan (0%)
- Magenta (2%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 98, 5.971, 88.637 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, 5.971, 88.637 by changing the saturation by 10% instead.

| | |
|--|---|
|  98, 5.971, 88.637 |  98, 5.971, 88.637 |
|  100, 5.971, 88.637 |  88, 5.971, 88.637 |
| |  78, 5.971, 88.637 |
| |  68, 5.971, 88.637 |
| |  58, 5.971, 88.637 |
| |  48, 5.971, 88.637 |
| |  38, 5.971, 88.637 |
| |  28, 5.971, 88.637 |
| |  18, 5.971, 88.637 |
| |  8, 5.971, 88.637 |

98, 5.971, 88.637

98, 5.971, 88.637

95, 15.119, 87.396

100, 0.107,
205.592

92, 24.478, 86.066

90, 34.024, 84.692

87, 43.684, 83.274

85, 53.306, 81.805

82, 62.588, 80.254

80, 70.983, 78.551

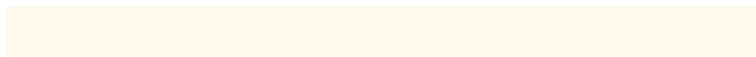
78, 77.624, 76.560

76, 81.534, 74.067

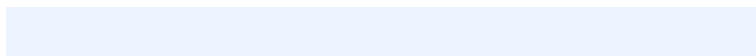
Harmonies

Complementary

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



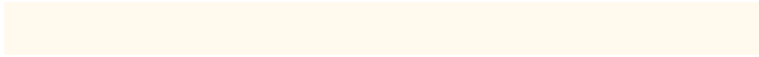
98, 5.971, 88.637



96, 5.973, 270.468

Rectangle

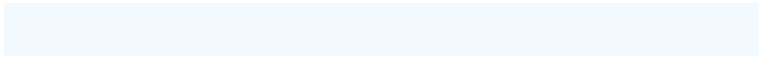
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 5.971, 88.637



98, 5.971, 138.637



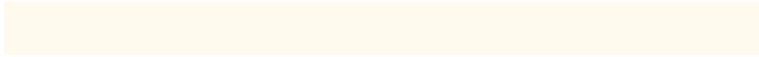
98, 5.971, 268.637



98, 5.971, 318.637

Sweetspot

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



98, 5.972, 88.660



99, 1.775, 89.128



95, 6.851, 352.046



53, 1.008, 89.131



0, 0.000, 0.000



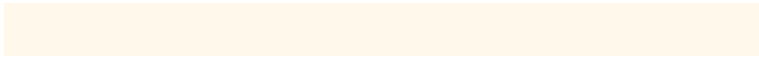
53, 0.007, 296.813

Same Dimension

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



98, 5.972, 88.660



98, 7.181, 88.499



99, 8.653, 114.897



52, 5.114, 88.313



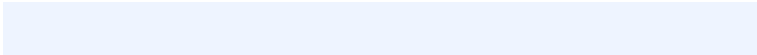
58, 66.445, 73.740



19, 27.851, 76.496

Inverse Universe

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



96, 5.973, 270.468



95, 7.172, 270.644



95, 8.797, 295.944



50, 5.101, 270.850



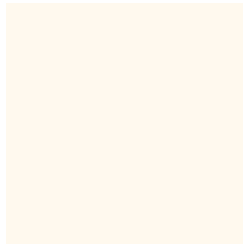
34, 76.555, 295.577



9, 30.705, 290.270

Previews

White Background



This preview shows how the CIELCh color 98, 5.971, 88.637 looks on a white background.

Color Contrast Check

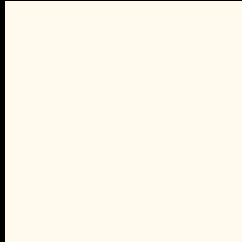
Large Text (above 18pt) WCAG AA × Fail

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, 5.971, 88.637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

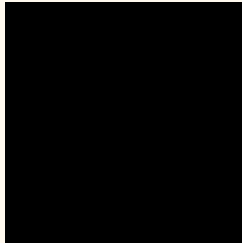
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 5.971, 88.637

Background



This preview shows how black text looks on a background with the CIELCh color 98, 5.971, 88.637.

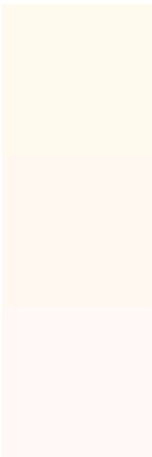


This preview shows how white text looks on a background with the CIELCh color 98, 5.971, 88.637.

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



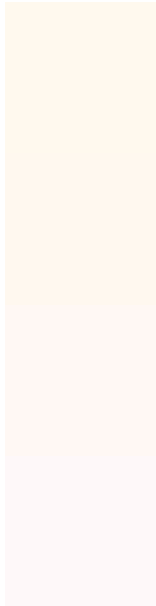
Original Color
98, 5.971, 88.637

Protanopia
98, 4.754, 78.119

Deuteranopia
98, 2.519, 30.953

Tritanopia
98, 4.002, 316.244

Trichromacy



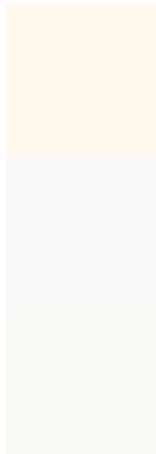
Original Color
98, 5.971, 88.637

Protanomaly
98, 5.196, 81.002

Deuteranomaly
98, 3.192, 58.882

Tritanomaly
98, 2.181, 5.749

Monochromacy



Original Color
98, 5.971, 88.637

Achromatopsia
98, 0.011, 296.813

Achromatomaly
98, 2.139, 90.697

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 5.971, 88.637 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 5.971, 88.637 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, 238) }
```

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

```
.border{ border-color:rgb(255, 249, 238) }
```

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, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 5.971, 88.637 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, 238) }
```

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

```
.background{ background-color: rgb(255,  
249, 238) }
```

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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