

Converting Colors

CIELCh(100, 22.494, 80.331)

Have a look what the booklet for
CIELCh(100, 22.494, 80.331)
contains.

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Color

CIELCh(98, 19.817, 104.357)

Conversions

Conversions Part 1

Format	Color
Hex	FFFBD4
RGB	255, 251, 212
RGB Percent	100%, 98%, 83%
CMY	0.0004, 0.0161, 0.1690
CMYK	0.00, 0.02, 0.17, 0.00
HSL	54°, 100%, 92%
HSV	54°, 17%, 100%
XYZ	87.5355, 94.9163, 75.9260
YIQ	247.7500, 14.9030, -11.2810

Conversions

Conversions Part 2

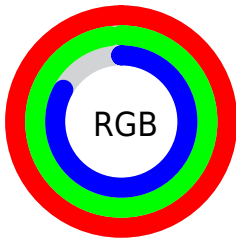
Format	Color
R _Y B	216, 255, 212
Decimal	16776148
CIE Lab	98.00, -4.91, 19.20
CIE LCh	98, 19.817, 104.357
Yxy	94.9163, 0.3388, 0.3674
Android (android.graphics.Color)	4294966228 (0xFFFFFBD4)
YUV	247.7500, -17.6247, 6.3582
Hunter-Lab	97.4250, -10.1129, 21.9912

Details

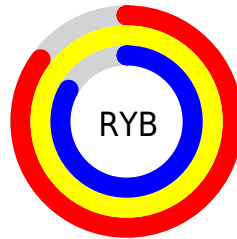
The CIELCh color **98, 19.817, 104.357** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **87, 20.444, 288.149**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **78, 20.203, 104.944** is the 20% darker color. If you saturate the color by 10%, you get **97, 31.513, 103.287**, and if you desaturate by 10%, it is **99, 8.064, 105.417**.

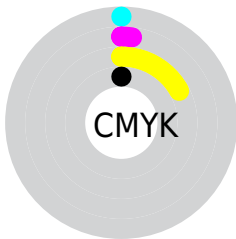
Distribution



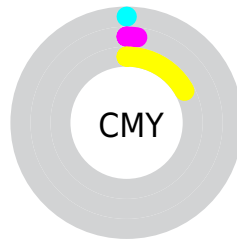
- Red (100%)
- Green (98%)
- Blue (83%)



- Red (85%)
- Yellow (100%)
- Blue (83%)



- Cyan (0%)
- Magenta (2%)
- Yellow (17%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (17%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 98, 19.817, 104.357 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, 19.817, 104.357 by changing the saturation by 10% instead.


 98, 19.817,
104.357


 98, 19.817,
104.357


 100, 19.817,
104.357


 88, 19.817,
104.357


 78, 19.817,
104.357

 68, 19.817,
104.357

 58, 19.817,
104.357

 48, 19.817,
104.357

 38, 19.817,
104.357

 28, 19.817,

104.357

■ 18, 19.817,
104.357

■ 8, 19.817, 104.357

■ 98, 19.817,
104.357

■ 98, 19.817,
104.357

■ 97, 31.513,
103.287

■ 99, 8.064, 105.417

■ 96, 43.042,
102.205

100, 0.037,
217.503

■ 95, 54.230,
101.135

■ 94, 64.798,
100.096

■ 93, 74.307, 99.110

■ 93, 82.138, 98.196

■ 92, 87.580, 97.368

■ 91, 90.164, 96.616

■ 91, 90.602, 96.389

Harmonies

Complementary

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



98, 19.817, 104.357



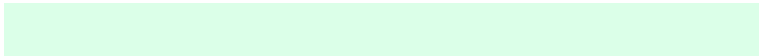
87, 20.444, 288.149

Rectangle

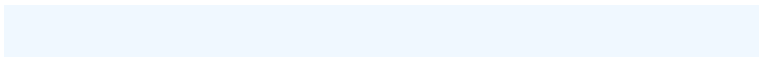
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 19.817, 104.357



98, 19.817, 154.357



98, 19.817, 284.357



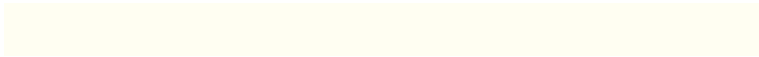
98, 19.817, 334.357

Sweetspot

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



98, 19.819, 104.363



99, 5.868, 105.607



89, 16.073, 12.644



53, 4.005, 105.536



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, 19.819, 104.363



98, 23.500, 104.028



98, 22.710, 124.656



53, 6.681, 105.143



70, 73.075, 96.509



24, 33.031, 97.518

Inverse Universe

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



87, 20.444, 288.149



85, 24.389, 288.583



87, 23.361, 306.398



49, 6.803, 287.215



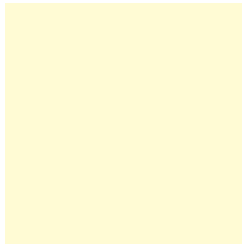
24, 103.329, 305.117



4, 41.175, 300.100

Previews

White Background



This preview shows how the CIE LCh color 98, 19.817, 104.357 looks on a white background.

Color Contrast Check

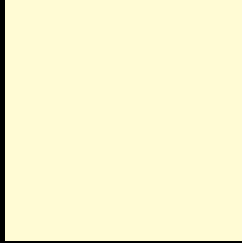
Large Text (above 18pt) WCAG AA × Fail

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, 19.817, 104.357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

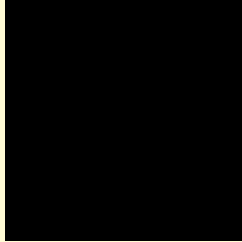
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 19.817, 104.357

Background



This preview shows how black text looks on a background with the CIELCh color 98, 19.817, 104.357.

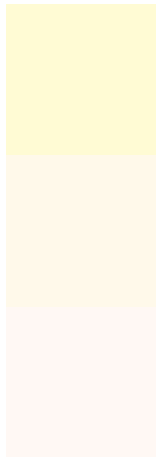


This preview shows how white text looks on a background with the CIELCh color 98, 19.817, 104.357.

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, 19.817, 104.357

Protanopia
98, 7.909, 93.714

Deuteranopia
98, 3.192, 58.882



Tritanopia
98, 4.981, 324.553

Trichromacy



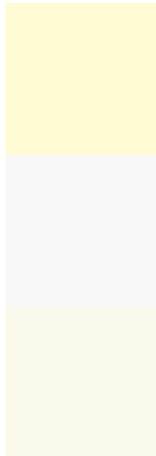
Original Color
98, 19.817, 104.357

Protanomaly
98, 12.312, 100.723

Deuteranomaly
98, 8.893, 95.390

Tritanomaly
98, 5.196, 81.002

Monochromacy



Original Color
98, 19.817, 104.357

Achromatopsia
98, 0.011, 296.813

Achromatomaly
98, 7.147, 103.861

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 19.817, 104.357 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, 251, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 212)  
}
```

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, 251, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 19.817, 104.357 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, 251, 212) }
```

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

```
.border{ border-color:rgb(255, 251, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 19.817, 104.357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 212) }
```

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

```
.background{ background-color: rgb(255,  
251, 212) }
```

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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