

Converting Colors

CIELCh(100, 28.283, 66.871)

Have a look what the booklet for
CIELCh(100, 28.283, 66.871)
contains.

CIELCh(97, 21.115, 99.331)	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(97, 21.115, 99.331)

Conversions

Conversions Part 1

Format	Color
Hex	FFF7CE
RGB	255, 247, 206
RGB Percent	100%, 97%, 81%
CMY	0.0000, 0.0313, 0.1922
CMYK	0.00, 0.03, 0.19, 0.00
HSL	50°, 100%, 90%
HSV	50°, 19%, 100%
XYZ	86.0220, 92.4403, 71.6899
YIQ	244.7180, 17.9290, -11.0550

Conversions

Conversions Part 2

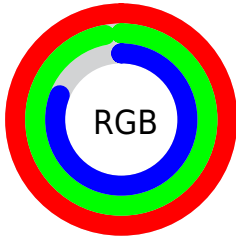
Format	Color
RYB	216, 255, 206
Decimal	16775118
CIELab	97.00, -3.42, 20.84
CIELCh	97, 21.115, 99.331
Yxy	92.4403, 0.3439, 0.3695
Android (android.graphics.Color)	4294965198 (0xFFFFF7CE)
YUV	244.7180, -19.0880, 9.0173
Hunter-Lab	96.1459, -8.5508, 23.0933

Details

The CIELCh color **97, 21.115, 99.331** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **86, 21.632, 285.000**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 20.956, 100.564** is the 20% darker color. If you saturate the color by 10%, you get **95, 32.032, 99.217**, and if you desaturate by 10%, it is **98, 10.077, 101.511**.

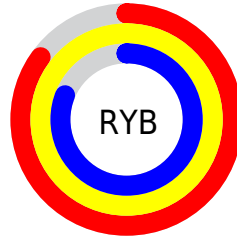
Distribution



Red (100%)

Green (97%)

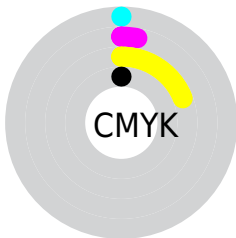
Blue (81%)



Red (85%)

Yellow (100%)

Blue (81%)

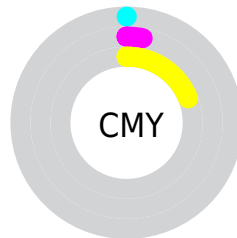


Cyan (0%)

Magenta (3%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (19%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 21.115, 99.331 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 97, 21.115, 99.331 by changing the saturation by 10% instead.

 97, 21.115, 99.331

 97, 21.115, 99.331

 100, 21.115,
99.331

 87, 21.115, 99.331

 77, 21.115, 99.331


 67, 21.115, 99.331

 57, 21.115, 99.331

 47, 21.115, 99.331

 37, 21.115, 99.331

 27, 21.115, 99.331

 17, 21.115, 99.331

 7, 21.115, 99.331

97, 21.115, 99.331

97, 21.115, 99.331

95, 32.032, 99.217

98, 10.077,
101.511

94, 42.899, 98.036

100, 0.012,
296.813

93, 53.491, 96.849

91, 63.526, 95.664

90, 72.542, 94.487

89, 79.871, 93.314

88, 84.727, 92.120

87, 86.768, 90.861

87, 86.878, 90.762

Harmonies

Complementary

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



97, 21.115, 99.331



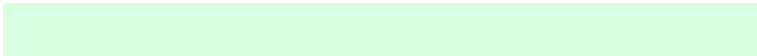
86, 21.632, 285.000

Rectangle

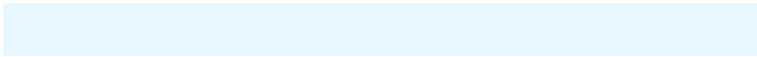
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 21.115, 99.331



97, 21.115, 149.331



97, 21.115, 279.331



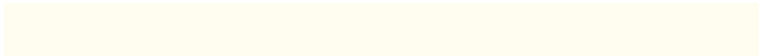
97, 21.115, 329.331

Sweetspot

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



97, 21.059, 100.380



99, 6.546, 101.863



87, 18.663, 7.728



53, 4.344, 101.792



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

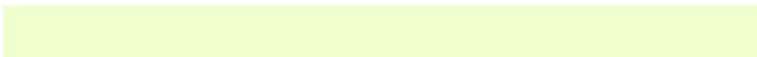
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 21.059, 100.380



96, 25.209, 99.943



98, 25.549, 121.986



52, 6.213, 101.480



67, 70.080, 90.998



23, 31.308, 92.708

Inverse Universe

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



86, 21.632, 285.000



83, 26.045, 285.574



85, 26.482, 304.208



49, 6.301, 283.680



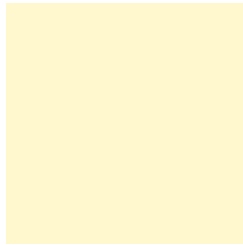
26, 98.024, 303.602



5, 38.944, 298.597

Previews

White Background



This preview shows how the CIE LCh color 97, 21.115, 99.331 looks on a white background.

Color Contrast Check

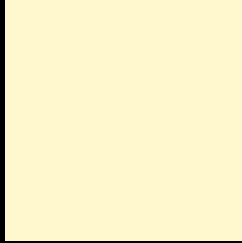
Large Text (above 18pt) WCAG AA × Fail

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 97, 21.115, 99.331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

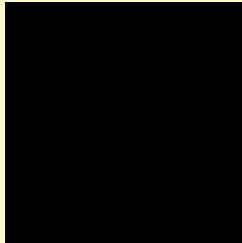
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 97, 21.115, 99.331

Background



This preview shows how black text looks on a background with the CIELCh color 97, 21.115, 99.331.



This preview shows how white text looks on a background with the CIELCh color 97, 21.115, 99.331.

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


97, 21.042, 100.355

Protanopia

97, 13.139, 94.601

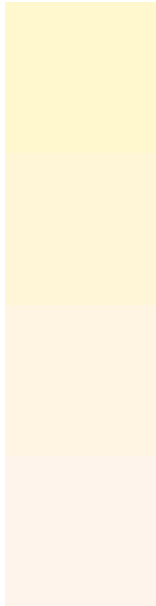
Deuteranopia

97, 4.969, 57.434



Tritanopia
97, 6.660, 329.623

Trichromacy



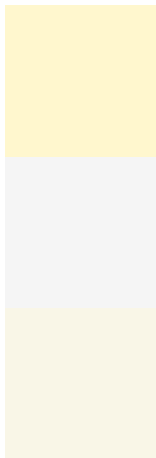
Original Color
97, 21.042, 100.355

Protanomaly
97, 15.619, 96.669

Deuteranomaly
97, 10.331, 88.730

Tritanomaly
97, 5.660, 65.525

Monochromacy



Original Color
97, 21.042, 100.355

Achromatopsia
97, 0.011, 296.813

Achromatomaly
97, 7.710, 101.513

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 21.115, 99.331 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, 247, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 206)  
}
```

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, 247, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 21.115, 99.331 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, 247, 206) }
```

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

```
.border{ border-color:rgb(255, 247, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 21.115, 99.331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 206) }
```

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

```
.background{ background-color: rgb(255,  
247, 206) }
```

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