

# Converting Colors

CIE LCh(97, 15.696, 98.249)

Have a look what the booklet for  
CIELCh(97, 15.696, 98.249) contains.

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# Color

**CIELCh(97, 16.033, 98.309)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFF7D8
RGB	255, 247, 216
RGB Percent	100%, 97%, 85%
CMY	0.0014, 0.0327, 0.1543
CMYK	0.00, 0.03, 0.15, 0.00
HSL	48°, 98%, 92%
HSV	48°, 15%, 100%
XYZ	86.6138, 92.4403, 78.0116
YIQ	245.8580, 14.7190, -7.9450

# Conversions

## Conversions Part 2

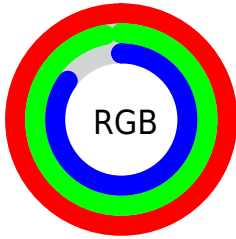
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 255, 216
Decimal	16775128
CIE Lab	97.00, -2.32, 15.86
CIE LCh	97, 16.033, 98.309
Yxy	92.4403, 0.3369, 0.3596
Android (android.graphics.Color)	4294965208 (0xFFFFF7D8)
YUV	245.8580, -14.7200, 8.0175
Hunter-Lab	96.1459, -7.4521, 19.1950

# Details

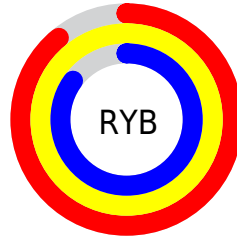
The CIELCh color **97, 16.033, 98.309** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **89, 16.301, 282.061**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 16.231, 98.920** is the 20% darker color. If you saturate the color by 10%, you get **95, 26.596, 97.118**, and if you desaturate by 10%, it is **99, 5.531, 99.464**.

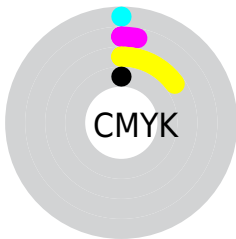
# Distribution



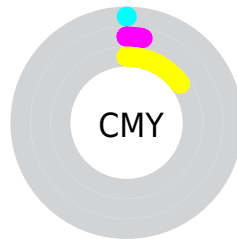
- Red (100%)
- Green (97%)
- Blue (85%)



- Red (89%)
- Yellow (100%)
- Blue (85%)



- Cyan (0%)
- Magenta (3%)
- Yellow (15%)
- Black (0%)



- Cyan (0%)
- Magenta (3%)
- Yellow (15%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 16.033, 98.309 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, 16.033, 98.309 by changing the saturation by 10% instead.



 97, 16.033, 98.309

 97, 16.033, 98.309

 100, 16.033,  
98.309

 87, 16.033, 98.309

 77, 16.033, 98.309

 67, 16.033, 98.309

 57, 16.033, 98.309

 47, 16.033, 98.309

 37, 16.033, 98.309

 27, 16.033, 98.309

 17, 16.033, 98.309

 7, 16.033, 98.309

97, 16.033, 98.309

97, 16.033, 98.309

95, 26.596, 97.118

99, 5.531, 99.464

93, 37.148, 95.888

100, 0.122,  
204.824

92, 47.572, 94.636

90, 57.654, 93.367

89, 67.031, 92.081

87, 75.125, 90.764

86, 81.143, 89.378

84, 84.328, 87.852

84, 85.027, 87.086

# Harmonies

# Complementary

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



97, 16.033, 98.309



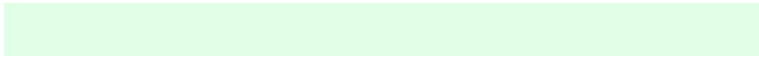
89, 16.301, 282.061

# Rectangle

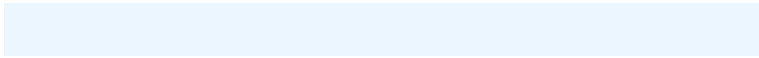
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 16.033, 98.309



97, 16.033, 148.309



97, 16.033, 278.309



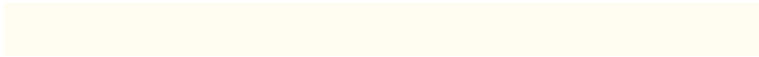
97, 16.033, 328.309

# Sweetspot

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



97, 16.035, 98.317



99, 5.212, 99.497



90, 14.909, 3.479



53, 3.558, 99.421



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, 16.035, 98.317



97, 18.893, 97.998



98, 20.175, 120.264



52, 5.945, 98.993



65, 68.661, 87.397



22, 30.362, 89.501





# Inverse Universe

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



89, 16.301, 282.061



88, 19.261, 282.452



88, 20.795, 302.158



49, 6.012, 281.275



27, 93.954, 302.339

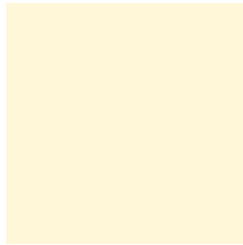


6, 37.467, 297.461



# Previews

## White Background



This preview shows how the CIE LCh color 97, 16.033, 98.309 looks on a white background.

## Color Contrast Check

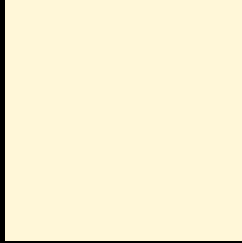
Large Text (above 18pt) WCAG AA × Fail

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, 16.033, 98.309 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

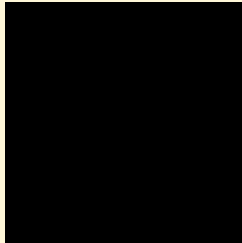
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 97, 16.033, 98.309

## Background



This preview shows how black text looks on a background with the CIELCh color 97, 16.033, 98.309.



This preview shows how white text looks on a background with the CIELCh color 97, 16.033, 98.309.

# 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, 16.033, 98.309

### Protanopia

97, 11.663, 92.897

### Deuteranopia

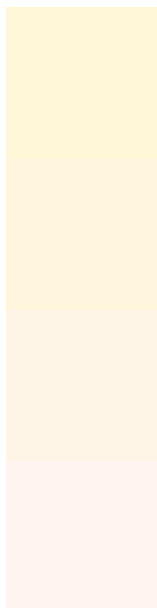
97, 4.410, 47.004



**Tritanopia**  
97, 7.061, 326.996



# Trichromacy



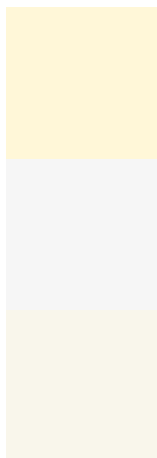
**Original Color**  
97, 16.033, 98.309

**Protanomaly**  
97, 13.139, 94.601

**Deuteranomaly**  
97, 7.982, 82.625

**Tritanomaly**  
97, 4.410, 47.004

# Monochromacy



**Original Color**  
97, 16.033, 98.309

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
97, 5.695, 98.853

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 97, 16.033, 98.309 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 216) }
```

## Border

The CSS property to change the border of an element to CIELCh 97, 16.033, 98.309 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, 216) }
```

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

```
.border{ border-color:rgb(255, 247, 216) }
```

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, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
216) }
```

# Background

The CSS property to change the background color of an element to CIELCh 97, 16.033, 98.309 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, 216) }
```

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

```
.background{ background-color: rgb(255,  
247, 216) }
```

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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