

Converting Colors

CIELCh(100, 41.109, 79.410)

Have a look what the booklet for
CIELCh(100, 41.109, 79.410)
contains.

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Color

CIELCh(97, 36.442, 103.059)

Conversions

Conversions Part 1

Format	Color
Hex	FFF9B1
RGB	255, 249, 177
RGB Percent	100%, 98%, 69%
CMY	0.0000, 0.0232, 0.3058
CMYK	0.00, 0.02, 0.31, 0.00
HSL	55°, 100%, 85%
HSV	55°, 31%, 100%
XYZ	83.4806, 92.4403, 55.0487
YIQ	242.5860, 26.6880, -21.1200

Conversions

Conversions Part 2

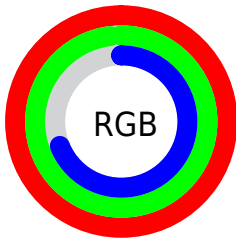
Format	Color
RYB	184, 255, 177
Decimal	16775601
CIELab	97.00, -8.23, 35.50
CIELCh	97, 36.442, 103.059
Yxy	92.4403, 0.3614, 0.4002
Android (android.graphics.Color)	4294965681 (0xFFFFF9B1)
YUV	242.5860, -32.3339, 10.8871
Hunter-Lab	96.1459, -13.2691, 33.3554

Details

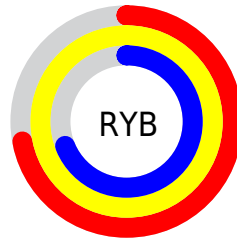
The CIELCh color **97, 36.442, 103.059** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **76, 38.792, 290.971**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 11.136, 109.335**, and **77, 36.363, 104.143** is the 20% darker color. If you saturate the color by 10%, you get **96, 47.995, 102.680**, and if you desaturate by 10%, it is **98, 24.588, 104.794**.

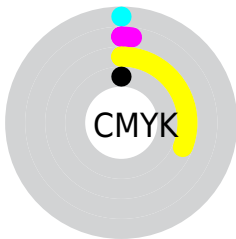
Distribution



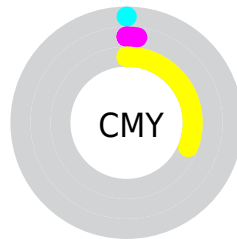
- Red (100%)
- Green (98%)
- Blue (69%)



- Red (72%)
- Yellow (100%)
- Blue (69%)



- Cyan (0%)
- Magenta (2%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 36.442, 103.059 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, 36.442, 103.059 by changing the saturation by 10% instead.


 97, 36.442,
103.059


 97, 36.442,
103.059


 100, 36.442,
103.059


 87, 36.442,
103.059

 77, 36.442,
103.059

 67, 36.442,
103.059

 57, 36.442,
103.059

 47, 36.442,
103.059

 37, 36.442,
103.059

 27, 36.442,

103.059

■ 17, 36.442,
103.059

■ 7, 36.442, 103.059

■ 97, 36.442,
103.059

■ 97, 36.442,
103.059

■ 96, 47.995,
102.680

■ 98, 24.588,
104.794

■ 95, 59.119,
101.650

■ 99, 12.650,
105.842

■ 95, 69.444,
100.667

100, 0.682,
106.716

■ 94, 78.461, 99.757

100, 0.012,
296.813

■ 93, 85.505, 98.943

■ 93, 89.922, 98.238

■ 92, 91.679, 97.657

Harmonies

Complementary

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



97, 36.442, 103.059



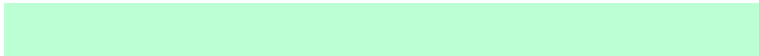
76, 38.792, 290.971

Rectangle

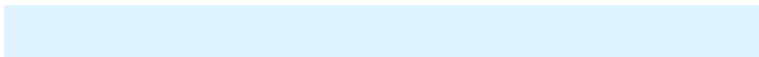
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 36.442, 103.059



97, 36.442, 153.059



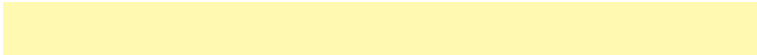
97, 36.442, 283.059



97, 36.442, 333.059

Sweetspot

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



97, 36.413, 103.734



99, 10.761, 106.006



80, 30.417, 15.648



53, 7.478, 105.855



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

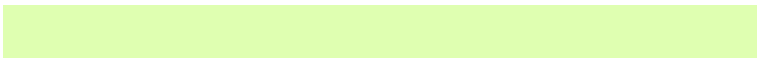
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 36.413, 103.734



96, 43.889, 103.055



96, 41.170, 124.568



53, 6.798, 105.954



71, 73.908, 97.752



24, 33.473, 98.593

Inverse Universe

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



76, 38.792, 290.971



71, 47.550, 292.098



77, 43.354, 307.813



49, 6.928, 287.996



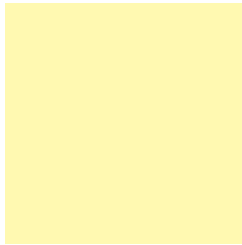
24, 104.306, 305.381



4, 41.715, 300.430

Previews

White Background



This preview shows how the CIELCh color 97, 36.442, 103.059 looks on a white background.

Color Contrast Check

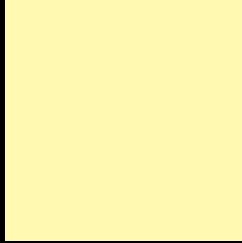
Large Text (above 18pt) WCAG AA × Fail

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, 36.442, 103.059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

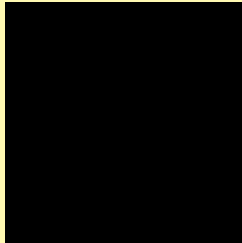
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 97, 36.442, 103.059

Background



This preview shows how black text looks on a background with the CIELCh color 97, 36.442, 103.059.

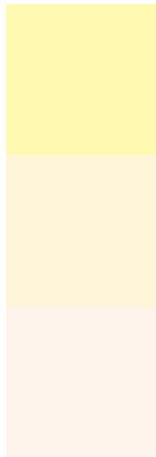


This preview shows how white text looks on a background with the CIELCh color 97, 36.442, 103.059.

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, 36.389, 103.684

Protanopia

97, 15.122, 96.315

Deuteranopia

97, 5.660, 65.525



Tritanopia
97, 5.909, 335.926

Trichromacy



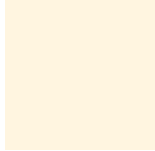
Original Color
97, 36.389, 103.684



Protanomaly
97, 23.047, 100.874



Deuteranomaly
97, 16.117, 96.999

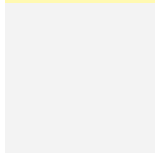


Tritanomaly
97, 11.295, 90.429

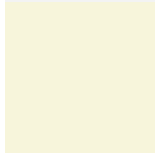
Monochromacy



Original Color
97, 36.389, 103.684



Achromatopsia
96, 0.011, 296.813



Achromatomaly
96, 13.270, 105.976

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 36.442, 103.059 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 36.442, 103.059 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, 177) }
```

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

```
.border{ border-color:rgb(255, 249, 177) }
```

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, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 36.442, 103.059 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, 177) }
```

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

```
.background{ background-color: rgb(255,  
249, 177) }
```

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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