

Converting Colors

CIELCh(100, 45.362, 86.978)

Have a look what the booklet for
CIELCh(100, 45.362, 86.978)
contains.

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Color

CIElCh(97, 42.671, 104.771)

Conversions

Conversions Part 1

Format	Color
Hex	FEFAA5
RGB	254, 250, 165
RGB Percent	100%, 98%, 65%
CMY	0.0027, 0.0183, 0.3515
CMYK	0.00, 0.02, 0.35, 0.00
HSL	57°, 98%, 82%
HSV	57°, 35%, 100%
XYZ	82.1048, 92.4403, 49.2903
YIQ	241.5060, 29.6690, -25.5870

Conversions

Conversions Part 2

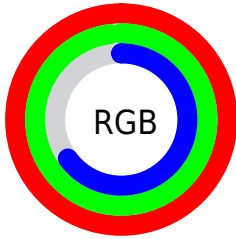
Format	Color
RYB	169, 254, 165
Decimal	16710309
CIELab	97.00, -10.88, 41.26
CIELCh	97, 42.671, 104.771
Yxy	92.4403, 0.3668, 0.4130
Android (android.graphics.Color)	4294900389 (0xFFFEFAA5)
YUV	241.5060, -37.7175, 10.9572
Hunter-Lab	96.1459, -15.8233, 36.9064

Details

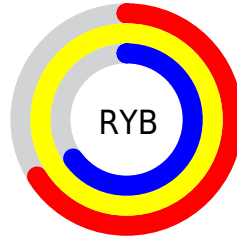
The CIELCh color **97, 42.671, 104.771** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **72, 46.263, 293.022**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 17.195, 108.877**, and **77, 42.833, 105.030** is the 20% darker color. If you saturate the color by 10%, you get **96, 54.323, 103.777**, and if you desaturate by 10%, it is **98, 30.651, 105.794**.

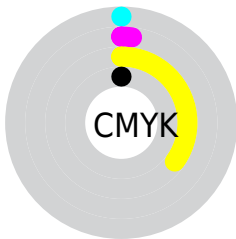
Distribution



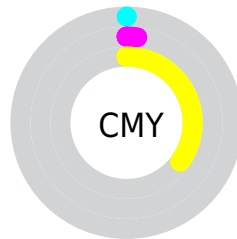
- Red (100%)
- Green (98%)
- Blue (65%)



- Red (66%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (2%)
- Yellow (35%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (35%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 42.671, 104.771 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, 42.671, 104.771 by changing the saturation by 10% instead.


 97, 42.671,
104.771


 97, 42.671,
104.771


 100, 42.671,
104.771


 87, 42.671,
104.771

 77, 42.671,
104.771

 67, 42.671,
104.771

 57, 42.671,
104.771

 47, 42.671,
104.771

 37, 42.671,
104.771

 27, 42.671,

104.771

■ 17, 42.671,
104.771

■ 7, 42.671, 104.771

■ 97, 42.671,
104.771

■ 97, 42.671,
104.771

■ 96, 54.323,
103.777

■ 98, 30.651,
105.794

■ 96, 65.328,
102.827

■ 98, 18.431,
106.817

■ 95, 75.269,
101.953

■ 99, 6.122, 107.821

■ 95, 83.563,
101.188

100, 0.208,
218.204

100, 0.236,

■ 94, 89.548,
100.561

202.196

■ 94, 92.755,
100.084

■ 94, 93.538, 99.886

Harmonies

Complementary

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



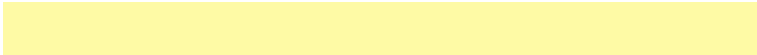
97, 42.671, 104.771



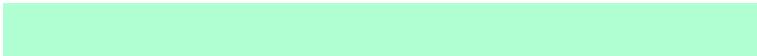
72, 46.263, 293.022

Rectangle

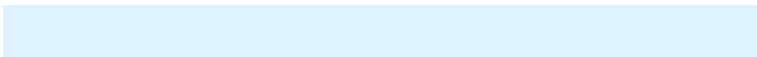
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 42.671, 104.771



97, 42.671, 154.771



97, 42.671, 284.771



97, 42.671, 334.771

Sweetspot

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



97, 42.673, 104.774



99, 12.342, 107.321



77, 35.276, 18.846



53, 8.420, 107.179



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

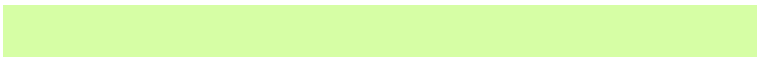
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 42.673, 104.774



97, 51.022, 104.070



95, 47.235, 125.595



53, 7.017, 107.371



73, 75.534, 99.939



25, 34.302, 100.479

Inverse Universe

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



72, 46.263, 293.022



67, 56.510, 294.321



74, 49.968, 309.187



49, 7.162, 289.362



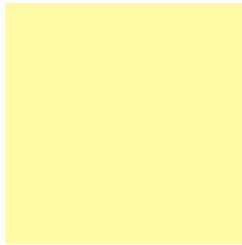
24, 105.784, 305.773



4, 42.708, 301.004

Previews

White Background



This preview shows how the CIE LCh color 97, 42.671, 104.771 looks on a white background.

Color Contrast Check

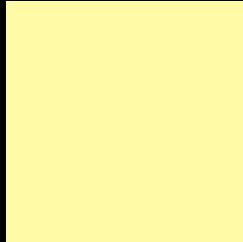
Large Text (above 18pt) WCAG AA × Fail

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, 42.671, 104.771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

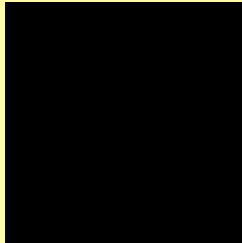
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 97, 42.671, 104.771

Background



This preview shows how black text looks on a background with the CIELCh color 97, 42.671, 104.771.

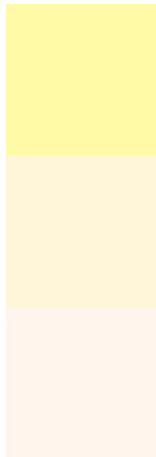


This preview shows how white text looks on a background with the CIELCh color 97, 42.671, 104.771.

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, 42.699, 104.758

Protanopia
97, 15.122, 96.315

Deuteranopia
97, 5.805, 71.549



Tritanopia
97, 5.909, 335.926

Trichromacy



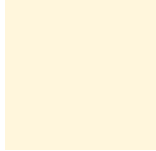
Original Color
97, 42.699, 104.758



Protanomaly
97, 25.490, 102.234



Deuteranomaly
97, 19.037, 99.691

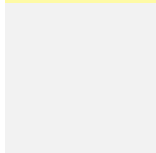


Tritanomaly
97, 13.634, 95.080

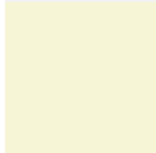
Monochromacy



Original Color
97, 42.699, 104.758



Achromatopsia
95, 0.011, 296.813



Achromatomaly
96, 15.801, 107.608

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 42.671, 104.771 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(254, 250, 165)` looks like.

```
.text, #text, p{  
    color:rgb(254, 250, 165)  
}
```

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(254, 250, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 250, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 42.671, 104.771 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(254, 250, 165) }
```

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

```
.border{ border-color:rgb(254, 250, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 250, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 250, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 250, 165);  
box-shadow:4px 4px 4px 4px rgb(254, 250,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 42.671, 104.771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 250, 165) }
```

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

```
.background{ background-color: rgb(254,  
250, 165) }
```

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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