

Converting Colors

CIELCh(100, 40.923, 123.629)

Have a look what the booklet for
CIELCh(100, 40.923, 123.629)
contains.

CIELCh(97, 35.109, 120.003)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(97, 35.109, 120.003)

Conversions

Conversions Part 1

Format	Color
Hex	EBFFBB
RGB	235, 255, 187
RGB Percent	92%, 100%, 73%
CMY	0.0799, 0.0015, 0.2681
CMYK	0.08, 0.00, 0.27, 0.00
HSL	78°, 99%, 87%
HSV	78°, 27%, 100%
XYZ	78.6993, 92.4403, 60.5006
YIQ	241.2680, 9.9080, -25.3880

Conversions

Conversions Part 2

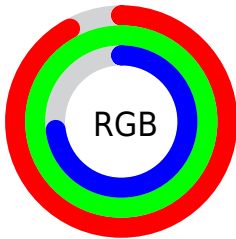
Format	Color
RYB	187, 255, 207
Decimal	15466427
CIELab	97.00, -17.56, 30.40
CIELCh	97, 35.109, 120.003
Yxy	92.4403, 0.3397, 0.3991
Android (android.graphics.Color)	4293656507 (0xFFEBFFBB)
YUV	241.2680, -26.7541, -5.4970
Hunter-Lab	96.1459, -22.1458, 29.9934

Details

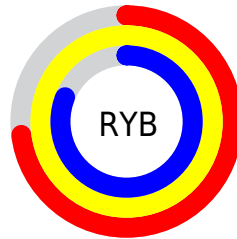
The CIELCh color **97, 35.109, 120.003** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **79, 37.053, 303.405**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 5.566, 109.748**, and **77, 35.067, 119.593** is the 20% darker color. If you saturate the color by 10%, you get **96, 47.935, 119.419**, and if you desaturate by 10%, it is **98, 22.037, 120.607**.

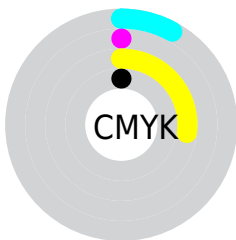
Distribution



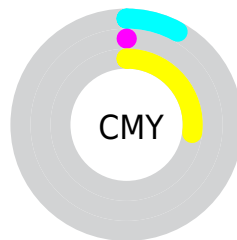
- Red (92%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (81%)



- Cyan (8%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 35.109, 120.003 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, 35.109, 120.003 by changing the saturation by 10% instead.


 97, 35.109,
120.003


 97, 35.109,
120.003

 100, 35.109,
120.003


 87, 35.109,
120.003

 77, 35.109,
120.003

 67, 35.109,
120.003

 57, 35.109,
120.003

 47, 35.109,
120.003

 37, 35.109,
120.003

 27, 35.109,

120.003

■ 17, 35.109,
120.003

■ 7, 35.109, 120.003

■ 97, 35.109,
120.003

■ 97, 35.109,
120.003

■ 96, 47.935,
119.419

■ 98, 22.037,
120.607

■ 95, 60.312,
118.882

■ 99, 8.847, 121.204

■ 94, 71.944,
118.447

100, 0.248,
323.200

■ 94, 82.401,
118.190

■ 93, 91.116,
118.214

■ 93, 97.497,
118.633

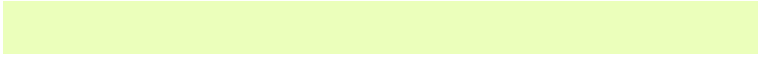
■ 92, 101.230,
119.525

■ 92, 102.098,
119.880

Harmonies

Complementary

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



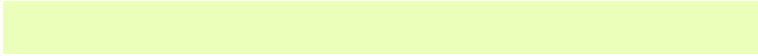
97, 35.109, 120.003



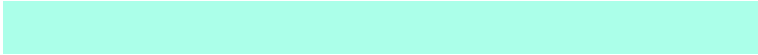
79, 37.053, 303.405

Rectangle

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



97, 35.109, 120.003



97, 35.109, 170.003



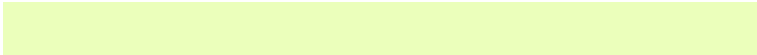
97, 35.109, 300.003



97, 35.109, 350.003

Sweetspot

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



97, 35.111, 120.006



99, 10.576, 121.127



86, 21.613, 48.071



53, 7.517, 121.038



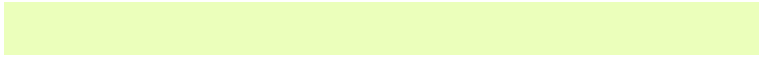
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

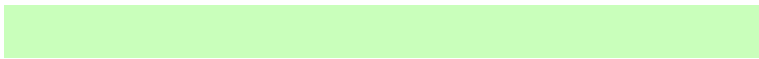
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 35.111, 120.006



97, 41.999, 119.691



95, 39.774, 136.940



53, 7.517, 121.038



71, 82.200, 119.632



24, 36.922, 118.276

Inverse Universe

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



79, 37.053, 303.405



76, 44.869, 303.842



82, 40.320, 319.493



49, 7.662, 302.157



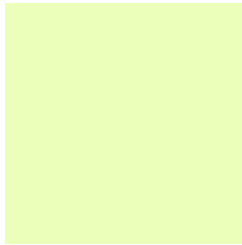
26, 104.725, 308.231



5, 44.743, 307.573

Previews

White Background



This preview shows how the CIELCh color 97, 35.109, 120.003 looks on a white background.

Color Contrast Check

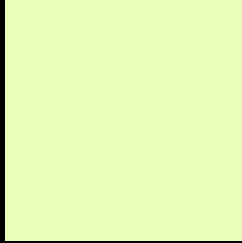
Large Text (above 18pt) WCAG AA × Fail

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, 35.109, 120.003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

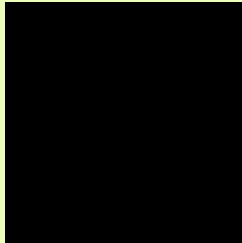
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 97, 35.109, 120.003

Background



This preview shows how black text looks on a background with the CIELCh color 97, 35.109, 120.003.

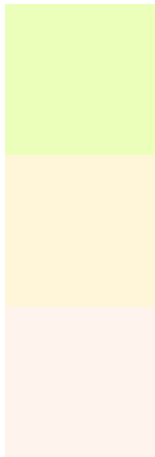


This preview shows how white text looks on a background with the CIELCh color 97, 35.109, 120.003.

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, 35.109, 120.003

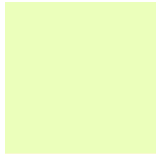
Protanopia
97, 14.625, 95.934

Deuteranopia
97, 5.301, 61.745

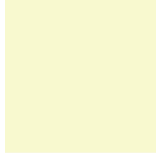


Tritanopia
97, 5.141, 294.439

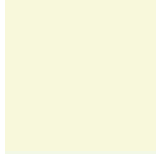
Trichromacy



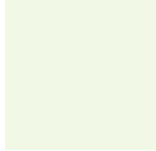
Original Color
97, 35.109, 120.003



Protanomaly
97, 21.322, 109.536



Deuteranomaly
97, 14.750, 109.039

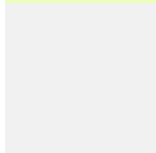


Tritanomaly
97, 9.439, 122.663

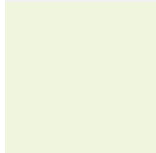
Monochromacy



Original Color
97, 35.109, 120.003



Achromatopsia
95, 0.011, 296.813



Achromatomaly
96, 13.023, 120.448

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 35.109, 120.003 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(235, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 187)  
}
```

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(235, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 35.109, 120.003 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(235, 255, 187) }
```

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

```
.border{ border-color:rgb(235, 255, 187) }
```

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

Here you see how a box with a 4 pixel rgb(235, 255, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 187);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 35.109, 120.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 187) }
```

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

```
.background{ background-color: rgb(235,  
255, 187) }
```

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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