

Converting Colors

CIELCh(100, 50.735, 122.732)

Have a look what the booklet for
CIELCh(100, 50.735, 122.732)
contains.

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Color

CIELCh(97, 43.619, 119.128)

Conversions

Conversions Part 1

Format	Color
Hex	E8FFAB
RGB	232, 255, 171
RGB Percent	91%, 100%, 67%
CMY	0.0893, 0.0000, 0.3288
CMYK	0.09, 0.00, 0.33, 0.00
HSL	76°, 100%, 84%
HSV	76°, 33%, 100%
XYZ	76.8652, 92.4403, 52.3943
YIQ	238.5470, 13.2560, -31.0000

Conversions

Conversions Part 2

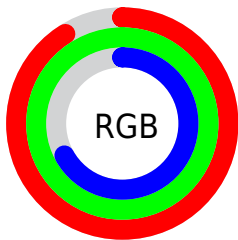
Format	Color
RYB	171, 255, 194
Decimal	15269803
CIELab	97.00, -21.23, 38.10
CIELCh	97, 43.619, 119.128
Yxy	92.4403, 0.3467, 0.4170
Android (android.graphics.Color)	4293459883 (0xFFE8FFAB)
YUV	238.5470, -33.3007, -5.7417
Hunter-Lab	96.1459, -25.5508, 34.9923

Details

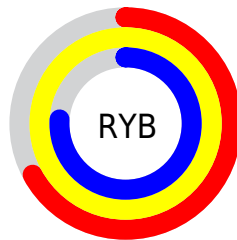
The CIELCh color **97, 43.619, 119.128** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **75, 46.088, 303.175**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 14.168, 109.107**, and **77, 42.848, 118.967** is the 20% darker color. If you saturate the color by 10%, you get **96, 55.497, 118.137**, and if you desaturate by 10%, it is **98, 30.067, 119.335**.

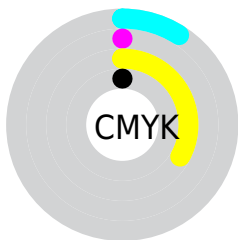
Distribution



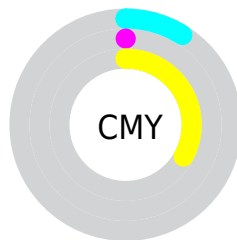
- Red (91%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (76%)



- Cyan (9%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 43.619, 119.128 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, 43.619, 119.128 by changing the saturation by 10% instead.


 97, 43.619,
119.128


 97, 43.619,
119.128


 100, 43.619,
119.128


 87, 43.619,
119.128

 77, 43.619,
119.128

 67, 43.619,
119.128

 57, 43.619,
119.128

 47, 43.619,
119.128

 37, 43.619,
119.128

 27, 43.619,

119.128

■ 17, 43.619,
119.128

■ 7, 43.619, 119.128

■ 97, 43.619,
119.128

■ 97, 43.619,
119.128

■ 96, 55.497,
118.137

■ 98, 30.067,
119.335

■ 95, 67.406,
117.635

■ 99, 16.971,
119.957

■ 94, 78.314,
117.277

■ 100, 3.790,
120.575

■ 94, 87.700,
117.154

■ 100, 0.012,
296.813

■ 93, 94.953,
117.375

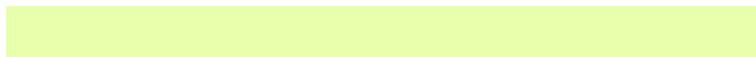
■ 93, 99.603,
118.038

■ 93, 101.517,
118.752

Harmonies

Complementary

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



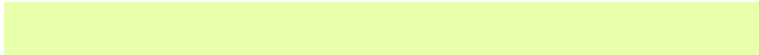
97, 43.619, 119.128



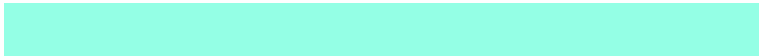
75, 46.088, 303.175

Rectangle

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



97, 43.619, 119.128



97, 43.619, 169.128



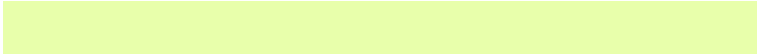
97, 43.619, 299.128



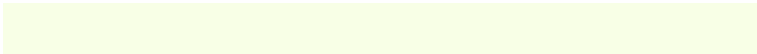
97, 43.619, 349.128

Sweetspot

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



97, 42.966, 118.719



99, 13.177, 120.135



83, 27.486, 46.074



53, 8.989, 120.048



0, 0.000, 0.000



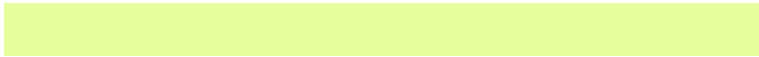
53, 0.007, 296.813

Same Dimension

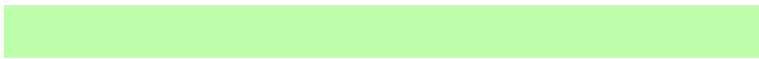
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 42.966, 118.719



96, 50.691, 118.356



94, 48.721, 136.086



53, 7.492, 120.166



71, 81.654, 118.515



24, 36.724, 117.227

Inverse Universe

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



75, 46.088, 303.175



70, 55.232, 303.742



79, 49.607, 319.247



49, 7.640, 301.331



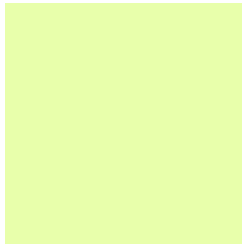
25, 105.111, 307.957



4, 44.700, 307.059

Previews

White Background



This preview shows how the CIELCh color 97, 43.619, 119.128 looks on a white background.

Color Contrast Check

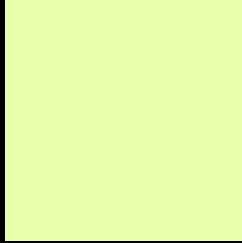
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 97, 43.619, 119.128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

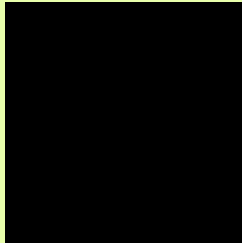
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

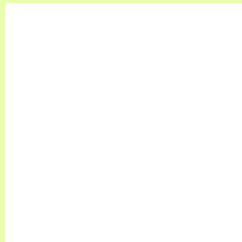
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 97, 43.619, 119.128

Background



This preview shows how black text looks on a background with the CIELCh color 97, 43.619, 119.128.

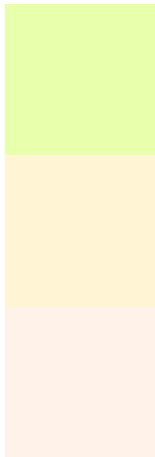


This preview shows how white text looks on a background with the CIELCh color 97, 43.619, 119.128.

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, 43.057, 118.801

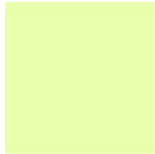
Protanopia
97, 17.205, 96.361

Deuteranopia
97, 6.674, 69.270

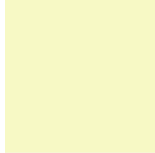


Tritanopia
97, 5.656, 294.123

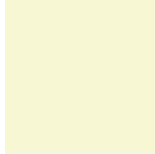
Trichromacy



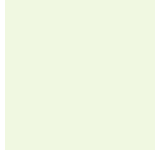
Original Color
97, 43.057, 118.801



Protanomaly
97, 26.365, 109.782



Deuteranomaly
96, 18.311, 108.758

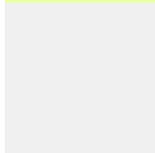


Tritanomaly
96, 12.093, 123.099

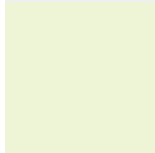
Monochromacy



Original Color
97, 43.057, 118.801



Achromatopsia
94, 0.011, 296.813



Achromatomaly
95, 16.107, 119.437

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 43.619, 119.128 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(232, 255, 171)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 171)  
}
```

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(232, 255, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 43.619, 119.128 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(232, 255, 171) }
```

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

```
.border{ border-color:rgb(232, 255, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 255, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 171);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 43.619, 119.128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 171) }
```

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

```
.background{ background-color: rgb(232,  
255, 171) }
```

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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