

Converting Colors

CIELCh(97, 30.066, 120.471)

Have a look what the booklet for
CIELCh(97, 30.066, 120.471)
contains.

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Color

CIElCh(97, 30.100, 120.877)

Conversions

Conversions Part 1

Format	Color
Hex	ECFEC4
RGB	236, 254, 196
RGB Percent	93%, 100%, 77%
CMY	0.0757, 0.0051, 0.2325
CMYK	0.07, 0.00, 0.23, 0.01
HSL	79°, 96%, 88%
HSV	79°, 23%, 99%
XYZ	79.7645, 92.4403, 65.6873
YIQ	242.0060, 7.8900, -21.8540

Conversions

Conversions Part 2

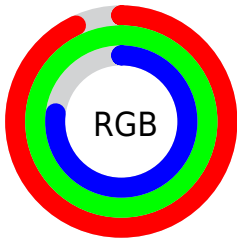
Format	Color
R_{YB}	196, 254, 214
Decimal	15531716
CIE _{Lab}	97.00, -15.45, 25.83
CIE _{LCh}	97, 30.100, 120.877
Yxy	92.4403, 0.3353, 0.3886
Android (android.graphics.Color)	4293721796 (0xFFEFCFC4)
YUV	242.0060, -22.6810, -5.2673
Hunter-Lab	96.1459, -20.1681, 26.7950

Details

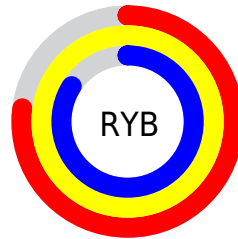
The CIELCh color **97, 30.100, 120.877** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **82, 31.470, 303.666**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 1.003, 110.026**, and **77, 29.875, 120.553** is the 20% darker color. If you saturate the color by 10%, you get **96, 43.046, 120.298**, and if you desaturate by 10%, it is **98, 16.970, 121.467**.

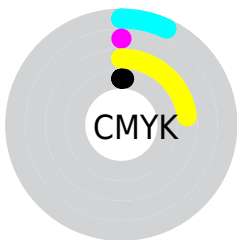
Distribution



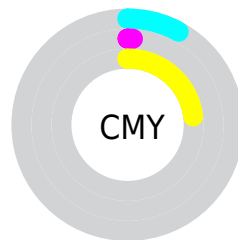
- Red (93%)
- Green (100%)
- Blue (77%)



- Red (77%)
- Yellow (100%)
- Blue (84%)



- Cyan (7%)
- Magenta (0%)
- Yellow (23%)
- Black (1%)



- Cyan (8%)
- Magenta (1%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 30.100, 120.877 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, 30.100, 120.877 by changing the saturation by 10% instead.

 97, 30.100,
120.877


 97, 30.100,
120.877

 100, 30.100,
120.877


 87, 30.100,
120.877

 77, 30.100,
120.877

 67, 30.100,
120.877

 57, 30.100,
120.877

 47, 30.100,
120.877

 37, 30.100,
120.877

 27, 30.100,

120.877

■ 17, 30.100,
120.877

■ 7, 30.100, 120.877

■ 97, 30.100,
120.877

■ 97, 30.100,
120.877

■ 96, 43.046,
120.298

■ 98, 16.970,
121.467

■ 95, 55.633,
119.750

■ 99, 3.765, 122.051

■ 94, 67.608,
119.281

100, 0.818,
324.092

■ 94, 78.600,
118.959

■ 93, 88.090,
118.878

■ 92, 95.476,
119.154

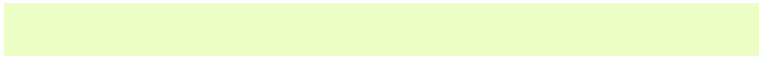
■ 92, 100.287,
119.890

■ 92, 102.336,
120.667

Harmonies

Complementary

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



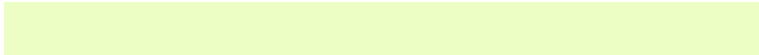
97, 30.100, 120.877



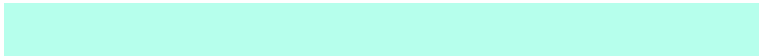
82, 31.470, 303.666

Rectangle

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



97, 30.100, 120.877



97, 30.100, 170.877



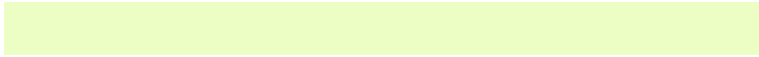
97, 30.100, 300.877



97, 30.100, 350.877

Sweetspot

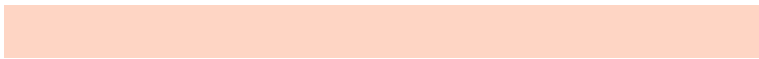
The Sweet Spot groups the original color and five complimentary colors.



97, 30.102, 120.880



99, 9.276, 121.807



88, 18.088, 50.113



53, 6.028, 121.772



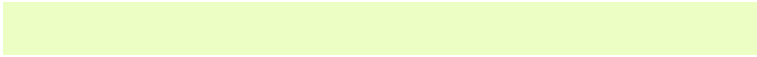
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

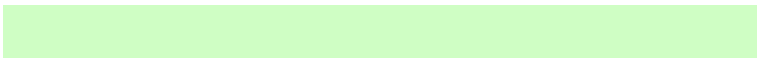
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 30.102, 120.880



97, 35.642, 120.636



95, 34.127, 137.648



53, 7.536, 121.662



71, 82.610, 120.415



24, 37.071, 119.016

Inverse Universe

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



82, 31.470, 303.666



79, 37.596, 303.982



85, 34.497, 319.832



49, 7.679, 302.750



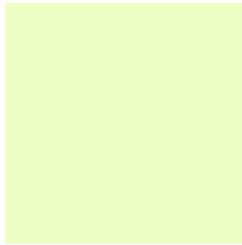
26, 104.434, 308.442



5, 44.772, 307.955

Previews

White Background



This preview shows how the CIE LCh color 97, 30.100, 120.877 looks on a white background.

Color Contrast Check

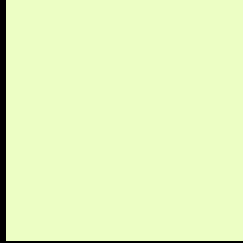
Large Text (above 18pt) WCAG AA × Fail

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, 30.100, 120.877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

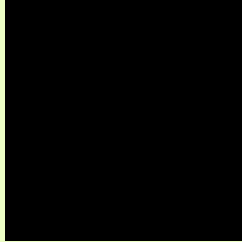
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

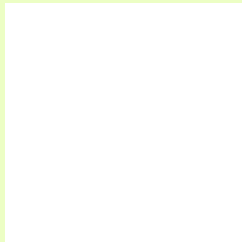
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 97, 30.100, 120.877

Background



This preview shows how black text looks on a background with the CIELCh color 97, 30.100, 120.877.

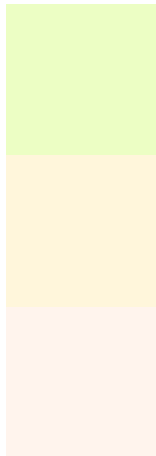


This preview shows how white text looks on a background with the CIELCh color 97, 30.100, 120.877.

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



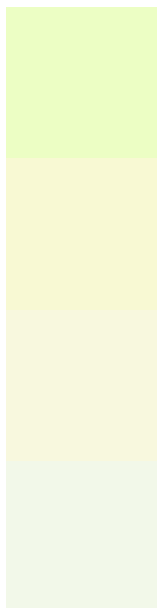
Original Color
97, 30.100, 120.877

Protanopia
97, 14.129, 95.524

Deuteranopia
97, 5.301, 61.745

Tritanopia
97, 5.141, 294.439

Trichromacy



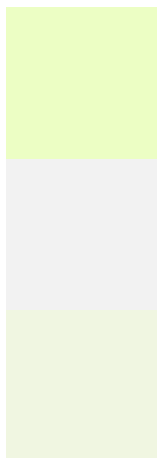
Original Color
97, 30.100, 120.877

Protanomaly
97, 19.302, 109.792

Deuteranomaly
97, 13.227, 109.157

Tritanomaly
97, 7.958, 125.217

Monochromacy



Original Color
97, 30.100, 120.877

Achromatopsia
95, 0.011, 296.813

Achromatomaly
96, 10.948, 120.768

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 30.100, 120.877 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(236, 254, 196)` looks like.

```
.text, #text, p{  
    color:rgb(236, 254, 196)  
}
```

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(236, 254, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 254, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 30.100, 120.877 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(236, 254, 196) }
```

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

```
.border{ border-color:rgb(236, 254, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 254, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 254, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 254, 196);  
box-shadow:4px 4px 4px 4px rgb(236, 254,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 30.100, 120.877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 254, 196) }
```

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

```
.background{ background-color: rgb(236,  
254, 196) }
```

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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