

Converting Colors

CIELCh(100, 28.124, 135.528)

Have a look what the booklet for
CIELCh(100, 28.124, 135.528)
contains.

CIELCh(97, 21.843, 133.175)	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, 21.843, 133.175)

Conversions

Conversions Part 1

Format	Color
Hex	E5FED7
RGB	229, 254, 215
RGB Percent	90%, 100%, 84%
CMY	0.1019, 0.0040, 0.1568
CMYK	0.10, 0.00, 0.15, 0.00
HSL	98°, 95%, 92%
HSV	98°, 15%, 100%
XYZ	80.0193, 92.4403, 77.9270
YIQ	242.0790, -2.3810, -17.4290

Conversions

Conversions Part 2

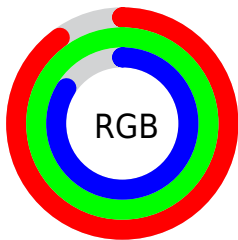
Format	Color
R _Y B	215, 254, 240
Decimal	15072983
CIE Lab	97.00, -14.95, 15.93
CIE LCh	97, 21.843, 133.175
Yxy	92.4403, 0.3196, 0.3692
Android (android.graphics.Color)	4293263063 (0xFFE5FED7)
YUV	242.0790, -13.3499, -11.4703
Hunter-Lab	96.1459, -19.6951, 19.2471

Details

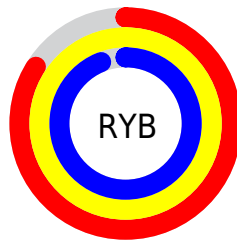
The CIELCh color **97, 21.843, 133.175** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **89, 22.166, 314.487**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 21.814, 133.266** is the 20% darker color. If you saturate the color by 10%, you get **95, 36.107, 132.682**, and if you desaturate by 10%, it is **99, 7.577, 133.645**.

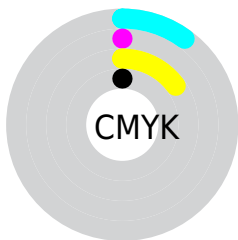
Distribution



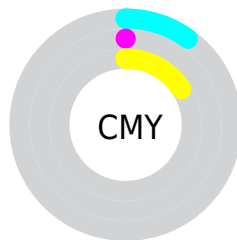
- Red (90%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (94%)



- Cyan (10%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 21.843, 133.175 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, 21.843, 133.175 by changing the saturation by 10% instead.


 97, 21.843,
133.175


 97, 21.843,
133.175


 100, 21.843,
133.175


 87, 21.843,
133.175

 77, 21.843,
133.175

 67, 21.843,
133.175

 57, 21.843,
133.175

 47, 21.843,
133.175

 37, 21.843,
133.175

 27, 21.843,

133.175

■ 17, 21.843,
133.175

■ 7, 21.843, 133.175

■ 97, 21.843,
133.175

■ 97, 21.843,
133.175

■ 95, 36.107,
132.682

■ 99, 7.577, 133.645

■ 94, 50.208,
132.163

100, 0.635,
323.977

■ 93, 63.927,
131.645

■ 92, 76.953,
131.177

■ 91, 88.854,
130.839

■ 90, 99.060,
130.745

■ 89, 106.950,
131.029

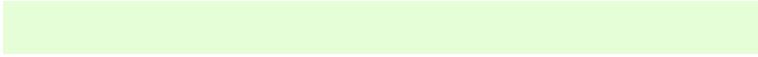
■ 89, 112.104,
131.783

■ 88, 113.769,
132.229

Harmonies

Complementary

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



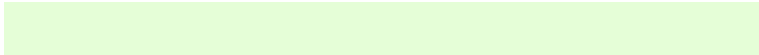
97, 21.843, 133.175



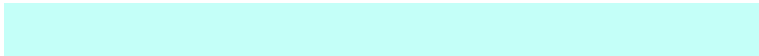
89, 22.166, 314.487

Rectangle

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



97, 21.843, 133.175



97, 21.843, 183.175



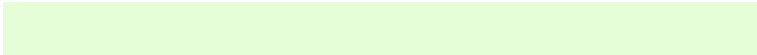
97, 21.843, 313.175



97, 21.843, 3.175

Sweetspot

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



97, 21.845, 133.177



99, 7.110, 133.661



95, 13.684, 86.378



53, 4.853, 133.628



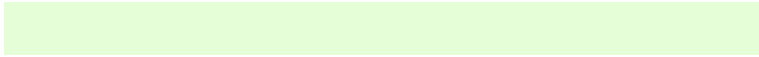
0, 0.000, 0.000



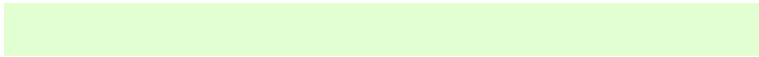
53, 0.007, 296.813

Same Dimension

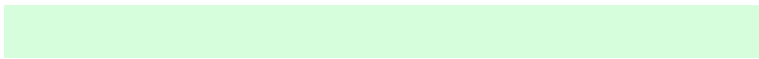
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 21.845, 133.177



97, 25.722, 133.048



96, 22.246, 147.309



52, 8.105, 133.451



68, 91.650, 131.987



23, 40.704, 130.701

Inverse Universe

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



89, 22.166, 314.487



88, 26.161, 314.607



90, 22.296, 329.211



49, 8.185, 314.226



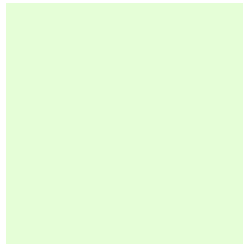
34, 97.571, 315.549



8, 44.472, 316.831

Previews

White Background



This preview shows how the CIE LCh color 97, 21.843, 133.175 looks on a white background.

Color Contrast Check

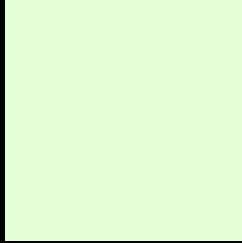
Large Text (above 18pt) WCAG AA × Fail

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, 21.843, 133.175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

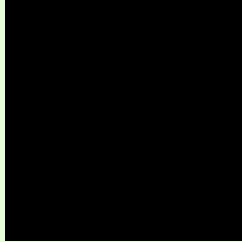
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

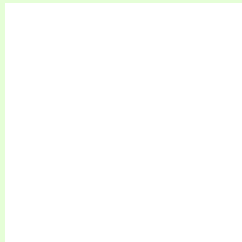
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 97, 21.843, 133.175

Background



This preview shows how black text looks on a background with the CIELCh color 97, 21.843, 133.175.

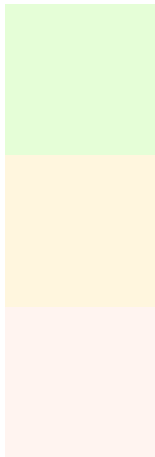


This preview shows how white text looks on a background with the CIELCh color 97, 21.843, 133.175.

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](#).

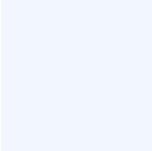
Dichromacy



Original Color
97, 21.860, 133.172

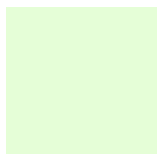
Protanopia
97, 12.646, 94.080

Deuteranopia
97, 4.410, 47.004

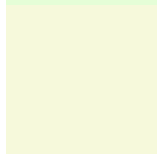


Tritanopia
97, 4.790, 273.817

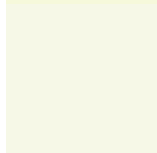
Trichromacy



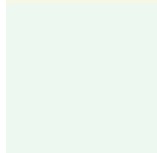
Original Color
97, 21.860, 133.172



Protanomaly
97, 15.297, 113.122



Deuteranomaly
97, 8.690, 114.256

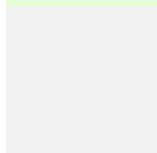


Tritanomaly
97, 6.277, 152.082

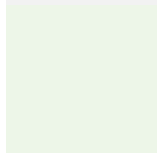
Monochromacy



Original Color
97, 21.860, 133.172



Achromatopsia
95, 0.011, 296.813



Achromatomaly
96, 7.868, 133.684

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 21.843, 133.175 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(229, 254, 215)` looks like.

```
.text, #text, p{  
    color:rgb(229, 254, 215)  
}
```

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(229, 254, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 254, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 21.843, 133.175 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(229, 254, 215) }
```

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

```
.border{ border-color:rgb(229, 254, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 254, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 254, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 254, 215);  
box-shadow:4px 4px 4px 4px rgb(229, 254,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 21.843, 133.175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 254, 215) }
```

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

```
.background{ background-color: rgb(229,  
254, 215) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor