

Converting Colors

CIELCh(100, 29.764, 137.700)

Have a look what the booklet for
CIELCh(100, 29.764, 137.700)
contains.

CIELCh(97, 22.953, 135.812)	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, 22.953, 135.812)

Conversions

Conversions Part 1

Format	Color
Hex	E2FFD7
RGB	226, 255, 215
RGB Percent	89%, 100%, 84%
CMY	0.1144, 0.0007, 0.1575
CMYK	0.11, 0.00, 0.16, 0.00
HSL	104°, 99%, 92%
HSV	104°, 16%, 100%
XYZ	79.2525, 92.4403, 77.8366
YIQ	241.7690, -4.4440, -18.5880

Conversions

Conversions Part 2

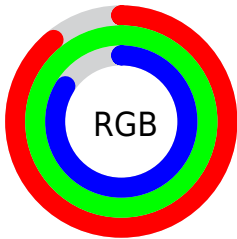
Format	Color
R _{YB}	215, 255, 244
Decimal	14876631
CIE _{Lab}	97.00, -16.46, 16.00
CIE _{LCh}	97, 22.953, 135.812
Yxy	92.4403, 0.3176, 0.3705
Android (android.graphics.Color)	4293066711 (0xFFE2FFD7)
YUV	241.7690, -13.1971, -13.8294
Hunter-Lab	96.1459, -21.1188, 19.3028

Details

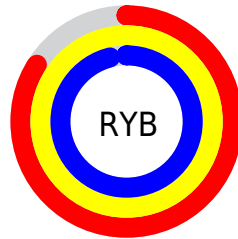
The CIELCh color **97, 22.953, 135.812** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **89, 23.210, 317.187**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 22.968, 136.006** is the 20% darker color. If you saturate the color by 10%, you get **95, 37.626, 135.283**, and if you desaturate by 10%, it is **99, 8.290, 136.304**.

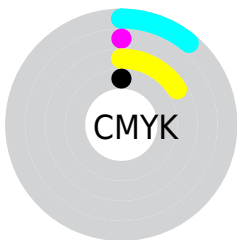
Distribution



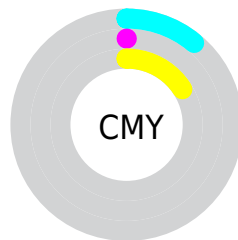
- Red (89%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (96%)



- Cyan (11%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 22.953, 135.812 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, 22.953, 135.812 by changing the saturation by 10% instead.


 97, 22.953,
135.812


 97, 22.953,
135.812


 100, 22.953,
135.812


 87, 22.953,
135.812

 77, 22.953,
135.812

 67, 22.953,
135.812

 57, 22.953,
135.812

 47, 22.953,
135.812

 37, 22.953,
135.812

 27, 22.953,

135.812

■ 17, 22.953,
135.812

■ 7, 22.953, 135.812

■ 97, 22.953,
135.812

■ 97, 22.953,
135.812

■ 95, 37.626,
135.283

■ 99, 8.290, 136.304

■ 94, 52.127,
134.711

100, 0.120,
321.868

■ 93, 66.215,
134.120

■ 91, 79.549,
133.555

■ 90, 91.668,
133.095

■ 90, 101.978,
132.853

■ 89, 109.837,
132.964

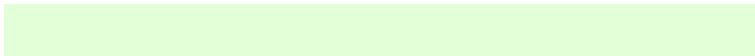
■ 88, 114.826,
133.515

■ 88, 116.286,
133.820

Harmonies

Complementary

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



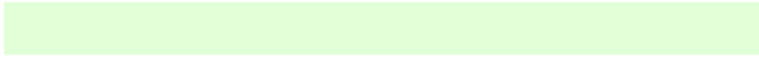
97, 22.953, 135.812



89, 23.210, 317.187

Rectangle

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



97, 22.953, 135.812



97, 22.953, 185.812



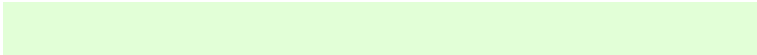
97, 22.953, 315.812



97, 22.953, 5.812

Sweetspot

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



97, 22.955, 135.813



99, 7.277, 136.339



96, 15.201, 92.970



53, 4.968, 136.304



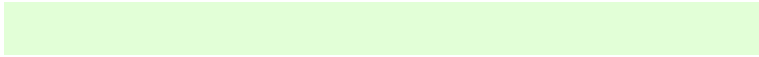
0, 0.000, 0.000



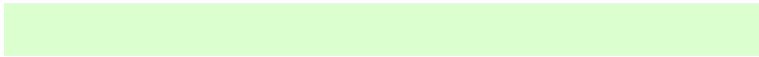
53, 0.007, 296.813

Same Dimension

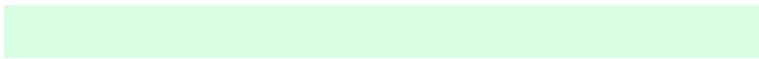
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 22.955, 135.813



96, 27.825, 135.643



96, 21.485, 150.040



52, 8.299, 136.120



68, 93.473, 133.617



23, 41.571, 132.606

Inverse Universe

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



89, 23.210, 317.187



87, 28.192, 317.335



90, 21.572, 332.112



50, 8.362, 316.910



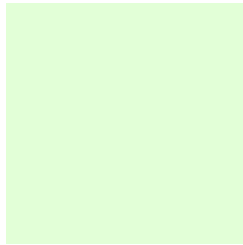
36, 96.025, 318.147



9, 43.927, 319.244

Previews

White Background



This preview shows how the CIE LCh color 97, 22.953, 135.812 looks on a white background.

Color Contrast Check

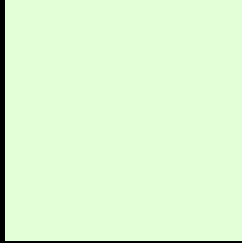
Large Text (above 18pt) WCAG AA × Fail

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, 22.953, 135.812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

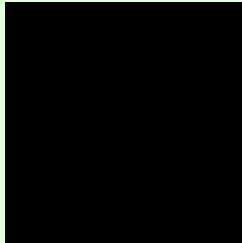
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

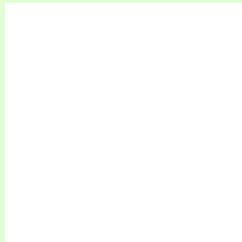
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 97, 22.953, 135.812

Background



This preview shows how black text looks on a background with the CIELCh color 97, 22.953, 135.812.

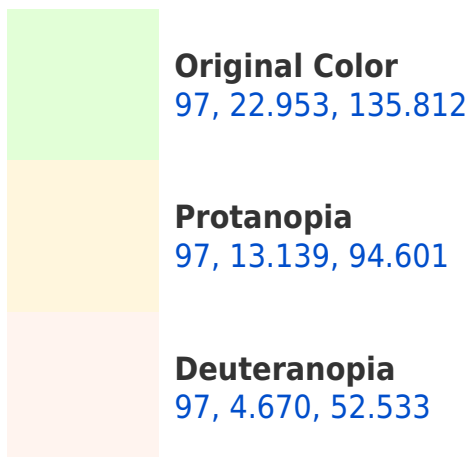


This preview shows how white text looks on a background with the CIELCh color 97, 22.953, 135.812.

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



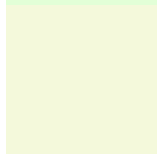


Tritanopia
97, 4.556, 263.537

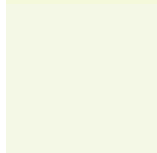
Trichromacy



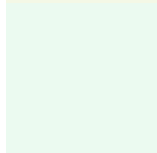
Original Color
97, 22.953, 135.812



Protanomaly
97, 15.376, 115.832



Deuteranomaly
97, 9.291, 118.377

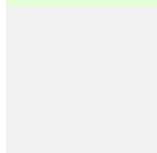


Tritanomaly
97, 7.383, 155.292

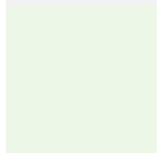
Monochromacy



Original Color
97, 22.953, 135.812



Achromatopsia
95, 0.011, 296.813



Achromatomaly
96, 8.641, 136.543

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 22.953, 135.812 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(226, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(226, 255, 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(226, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 255, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 22.953, 135.812 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(226, 255, 215) }
```

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

```
.border{ border-color:rgb(226, 255, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 255, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(226, 255,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 22.953, 135.812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 255, 215) }
```

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

```
.background{ background-color: rgb(226,  
255, 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