

Converting Colors

CIELCh(97, 13.730, 149.701)

Have a look what the booklet for
CIELCh(97, 13.730, 149.701)
contains.

CIELCh(97, 13.574, 149.904)	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, 13.574, 149.904)

Conversions

Conversions Part 1

Format	Color
Hex	E4FDE9
RGB	228, 253, 233
RGB Percent	89%, 99%, 91%
CMY	0.1067, 0.0087, 0.0871
CMYK	0.10, 0.00, 0.08, 0.01
HSL	132°, 85%, 94%
HSV	132°, 10%, 99%
XYZ	81.6583, 92.4403, 90.4666
YIQ	243.2450, -8.4800, -11.5200

Conversions

Conversions Part 2

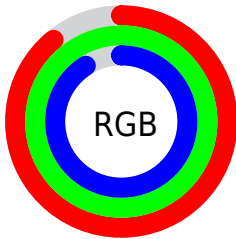
Format	Color
R_{YB}	228, 249, 253
Decimal	15007209
CIE _{Lab}	97.00, -11.74, 6.81
CIE _{LCh}	97, 13.574, 149.904
Yxy	92.4403, 0.3087, 0.3494
Android (android.graphics.Color)	4293197289 (0xFFE4FDE9)
YUV	243.2450, -5.0508, -13.3699
Hunter-Lab	96.1459, -16.6523, 11.5143

Details

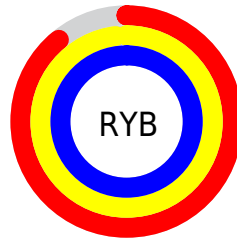
The CIELCh color **97, 13.574, 149.904** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **93, 13.619, 331.122**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 13.606, 150.030** is the 20% darker color. If you saturate the color by 10%, you get **95, 27.412, 149.125**, and if you desaturate by 10%, it is **99, 0.159, 328.223**.

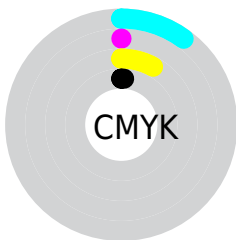
Distribution



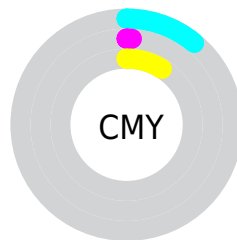
- Red (89%)
- Green (99%)
- Blue (91%)



- Red (89%)
- Yellow (98%)
- Blue (99%)



- Cyan (10%)
- Magenta (0%)
- Yellow (8%)
- Black (1%)





- Cyan (11%)
- Magenta (1%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 13.574, 149.904 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, 13.574, 149.904 by changing the saturation by 10% instead.


 97, 13.574,
149.904


 97, 13.574,
149.904

 100, 13.574,
149.904

 87, 13.574,
149.904


 77, 13.574,
149.904

 67, 13.574,
149.904

 57, 13.574,
149.904

 47, 13.574,
149.904

 37, 13.574,
149.904

 27, 13.574,

149.904

■ 17, 13.574,
149.904

■ 7, 13.574, 149.904

■ 97, 13.574,
149.904

■ 97, 13.574,
149.904

■ 95, 27.412,
149.125

■ 99, 0.159, 328.223

99, 1.384, 324.267

■ 93, 41.170,
148.230

■ 92, 54.621,
147.195

■ 90, 67.495,
146.000

■ 89, 79.486,
144.639

■ 88, 90.276,
143.121

■ 88, 99.564,
141.486

■ 87, 107.085,
139.814

■ 87, 112.704,
138.262

Harmonies

Complementary

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



97, 13.574, 149.904



93, 13.619, 331.122

Rectangle

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



97, 13.574, 149.904



97, 13.574, 199.904



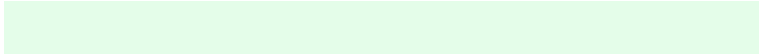
97, 13.574, 329.904



97, 13.574, 19.904

Sweetspot

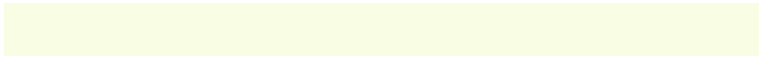
The Sweet Spot groups the original color and five complimentary colors.



97, 13.576, 149.903



99, 4.122, 150.430



98, 12.825, 117.320



53, 3.128, 150.360



0, 0.000, 0.000



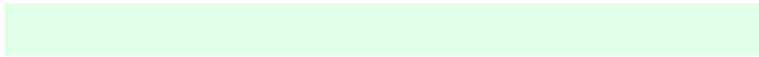
53, 0.007, 296.813

Same Dimension

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



97, 13.576, 149.903



97, 16.609, 149.746



97, 9.517, 175.098



52, 7.858, 149.931



68, 90.823, 138.523



23, 39.446, 140.979

Inverse Universe

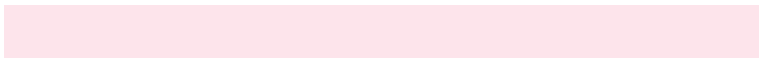
The Inverse Universe completely reimagines the original color for something new.



93, 13.619, 331.122



92, 16.664, 331.263



93, 9.795, 356.856



50, 7.883, 331.097



43, 79.679, 338.186



11, 37.325, 336.752

Previews

White Background



This preview shows how the CIELCh color 97, 13.574, 149.904 looks on a white background.

Color Contrast Check

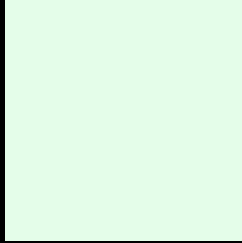
Large Text (above 18pt) WCAG AA × Fail

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, 13.574, 149.904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

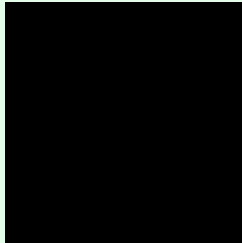
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

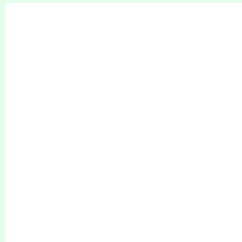
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 97, 13.574, 149.904

Background



This preview shows how black text looks on a background with the CIELCh color 97, 13.574, 149.904.

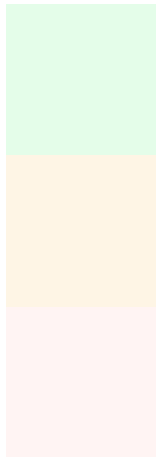


This preview shows how white text looks on a background with the CIELCh color 97, 13.574, 149.904.

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](#).

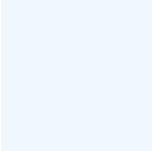
Dichromacy



Original Color
97, 13.574, 149.904

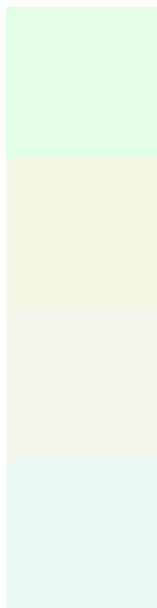
Protanopia
97, 8.767, 87.652

Deuteranopia
97, 3.939, 26.928



Tritanopia
97, 4.556, 263.537

Trichromacy



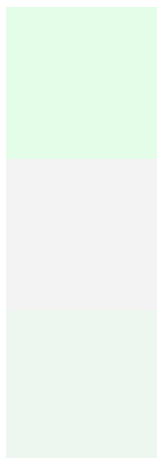
Original Color
97, 13.574, 149.904

Protanomaly
97, 9.291, 118.377

Deuteranomaly
97, 4.141, 119.718

Tritanomaly
97, 4.646, 186.522

Monochromacy



Original Color
97, 13.574, 149.904

Achromatopsia
96, 0.011, 296.813

Achromatomaly
96, 5.428, 150.340

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 13.574, 149.904 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(228, 253, 233)` looks like.

```
.text, #text, p{  
    color:rgb(228, 253, 233)  
}
```

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(228, 253, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 253, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 13.574, 149.904 is called "border". The border property can be set on classes, ids or directly on the HTML element.

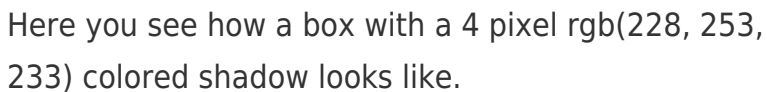
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 253, 233) }
```

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

```
.border{ border-color:rgb(228, 253, 233) }
```

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



Here you see how a box with a 4 pixel `rgb(228, 253, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 253, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 253, 233); box-shadow:4px 4px 4px 4px rgb(228, 253, 233) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 13.574, 149.904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 253, 233) }
```

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

```
.background{ background-color: rgb(228,  
253, 233) }
```

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