

Converting Colors

CIELCh(100, 21.987, 154.054)

Have a look what the booklet for
CIELCh(100, 21.987, 154.054)
contains.

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Color

CIELCh(97, 15.437, 159.546)

Conversions

Conversions Part 1

Format	Color
Hex	DCFEEB
RGB	220, 254, 235
RGB Percent	86%, 100%, 92%
CMY	0.1356, 0.0023, 0.0768
CMYK	0.13, 0.00, 0.07, 0.00
HSL	146°, 97%, 93%
HSV	146°, 13%, 100%
XYZ	80.2646, 92.4403, 92.5204
YIQ	241.6680, -14.1650, -13.1170

Conversions

Conversions Part 2

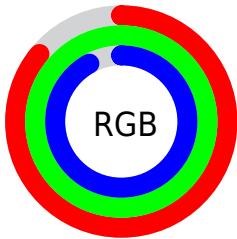
Format	Color
R _Y B	220, 244, 254
Decimal	14483179
CIE Lab	97.00, -14.46, 5.39
CIE LCh	97, 15.437, 159.546
Yxy	92.4403, 0.3026, 0.3485
Android (android.graphics.Color)	4292673259 (0xFFDCFEEB)
YUV	241.6680, -3.2873, -19.0028
Hunter-Lab	96.1459, -19.2398, 10.2479

Details

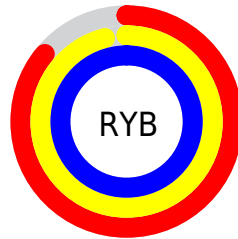
The CIELCh color **97, 15.437, 159.546** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **91, 15.642, 341.666**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 15.296, 159.124** is the 20% darker color. If you saturate the color by 10%, you get **95, 26.963, 158.592**, and if you desaturate by 10%, it is **99, 3.867, 160.469**.

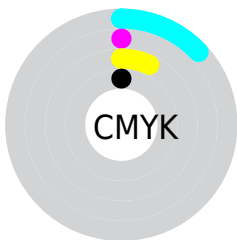
Distribution



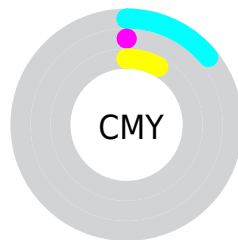
- Red (86%)
- Green (100%)
- Blue (92%)



- Red (86%)
- Yellow (96%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 15.437, 159.546 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, 15.437, 159.546 by changing the saturation by 10% instead.


 97, 15.437,
159.546


 97, 15.437,
159.546


 100, 15.437,
159.546


 87, 15.437,
159.546

 77, 15.437,
159.546

 67, 15.437,
159.546

 57, 15.437,
159.546

 47, 15.437,
159.546

 37, 15.437,
159.546

 27, 15.437,

159.546

■ 17, 15.437,
159.546

■ 7, 15.437, 159.546

■ 97, 15.437,
159.546

■ 97, 15.437,
159.546

■ 95, 26.963,
158.592

■ 99, 3.867, 160.469

■ 94, 38.279,
157.525

100, 0.379,
323.637

■ 92, 49.198,
156.313

■ 91, 59.517,
154.932

■ 90, 69.034,
153.357

■ 89, 77.583,
151.571

■ 89, 85.056,
149.573

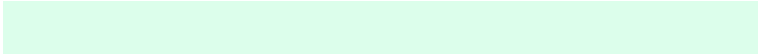
■ 88, 91.443,
147.388

■ 88, 95.183,
145.901

Harmonies

Complementary

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



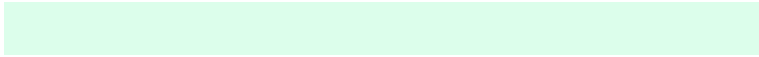
97, 15.437, 159.546



91, 15.642, 341.666

Rectangle

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



97, 15.437, 159.546



97, 15.437, 209.546



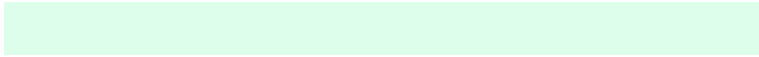
97, 15.437, 339.546



97, 15.437, 29.546

Sweetspot

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



97, 15.439, 159.544



99, 4.615, 160.399



98, 18.086, 126.070



53, 3.282, 160.323



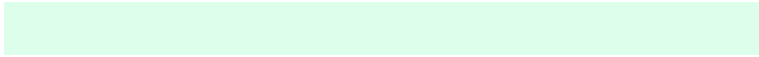
0, 0.000, 0.000



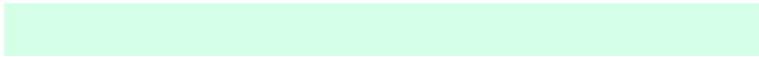
53, 0.007, 296.813

Same Dimension

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



97, 15.439, 159.544



97, 18.527, 159.301



97, 11.609, 192.980



52, 6.578, 159.889



68, 76.111, 146.319



23, 32.752, 149.507

Inverse Universe

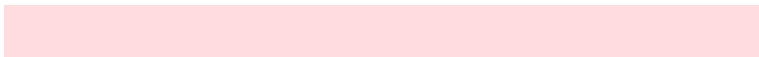
The Inverse Universe completely reimagines the original color for something new.



91, 15.642, 341.666



90, 18.813, 341.901



91, 12.520, 14.924



50, 6.643, 341.328



41, 69.243, 356.630



11, 32.544, 351.961

Previews

White Background



This preview shows how the CIE LCh color 97, 15.437, 159.546 looks on a white background.

Color Contrast Check

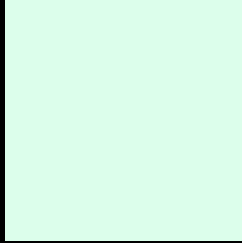
Large Text (above 18pt) WCAG AA × Fail

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, 15.437, 159.546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

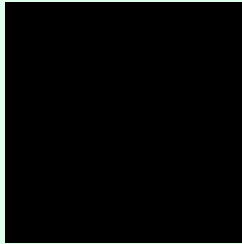
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

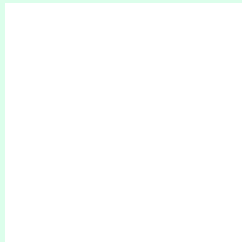
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 97, 15.437, 159.546

Background



This preview shows how black text looks on a background with the CIELCh color 97, 15.437, 159.546.

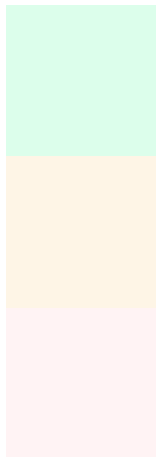


This preview shows how white text looks on a background with the CIELCh color 97, 15.437, 159.546.

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

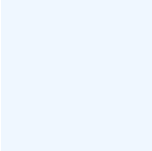
97, 15.449, 159.542

Protanopia

97, 8.293, 86.409

Deuteranopia

97, 4.296, 12.728

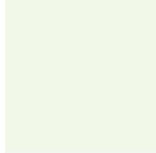


Tritanopia
97, 4.893, 256.310

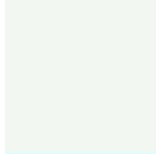
Trichromacy



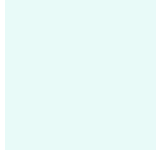
Original Color
97, 15.449, 159.542



Protanomaly
97, 8.450, 124.271



Deuteranomaly
97, 3.546, 139.759

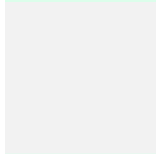


Tritanomaly
97, 6.321, 189.776

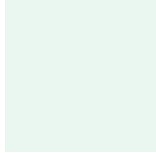
Monochromacy



Original Color
97, 15.449, 159.542



Achromatopsia
95, 0.011, 296.813



Achromatomaly
96, 5.836, 161.293

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 15.437, 159.546 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(220, 254, 235)` looks like.

```
.text, #text, p{  
    color:rgb(220, 254, 235)  
}
```

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(220, 254, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 254, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 15.437, 159.546 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(220, 254, 235) }
```

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

```
.border{ border-color:rgb(220, 254, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 254, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 254, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 254, 235);  
box-shadow:4px 4px 4px 4px rgb(220, 254,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 15.437, 159.546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 254, 235) }
```

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

```
.background{ background-color: rgb(220,  
254, 235) }
```

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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