

Converting Colors

CIELCh(100, 24.547, 150.264)

Have a look what the booklet for
CIELCh(100, 24.547, 150.264)
contains.

CIELCh(97, 17.476, 153.876)	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, 17.476, 153.876)

Conversions

Conversions Part 1

Format	Color
Hex	DCFFE7
RGB	220, 255, 231
RGB Percent	86%, 100%, 91%
CMY	0.1375, 0.0003, 0.0944
CMYK	0.14, 0.00, 0.09, 0.00
HSL	139°, 100%, 93%
HSV	139°, 14%, 100%
XYZ	79.6411, 92.4403, 89.1905
YIQ	241.7990, -13.1560, -14.8840

Conversions

Conversions Part 2

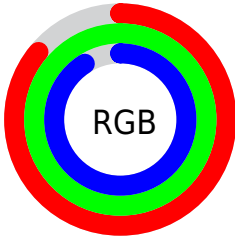
Format	Color
R_{YB}	220, 247, 255
Decimal	14483431
CIE _{Lab}	97.00, -15.69, 7.69
CIE _{LCh}	97, 17.476, 153.876
Yxy	92.4403, 0.3048, 0.3538
Android (android.graphics.Color)	4292673511 (0xFFDCFFE7)
YUV	241.7990, -5.3239, -19.1177
Hunter-Lab	96.1459, -20.3974, 12.3013

Details

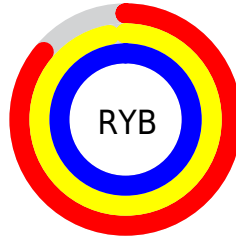
The CIELCh color **97, 17.476, 153.876** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **91, 17.598, 335.818**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 17.440, 153.200** is the 20% darker color. If you saturate the color by 10%, you get **95, 30.242, 152.997**, and if you desaturate by 10%, it is **99, 4.720, 154.697**.

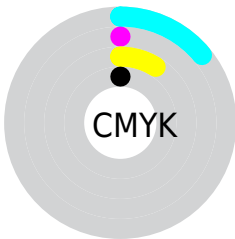
Distribution



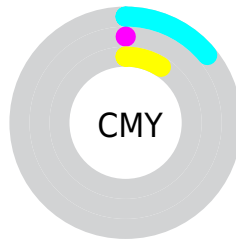
- Red (86%)
- Green (100%)
- Blue (91%)



- Red (86%)
- Yellow (97%)
- Blue (100%)



- Cyan (14%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 17.476, 153.876 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, 17.476, 153.876 by changing the saturation by 10% instead.


 97, 17.476,
153.876


 97, 17.476,
153.876


 100, 17.476,
153.876


 87, 17.476,
153.876

 77, 17.476,
153.876

 67, 17.476,
153.876

 57, 17.476,
153.876

 47, 17.476,
153.876

 37, 17.476,
153.876

 27, 17.476,

153.876

■ 17, 17.476,
153.876

■ 7, 17.476, 153.876

■ 97, 17.476,
153.876

■ 97, 17.476,
153.876

■ 95, 30.242,
152.997

■ 99, 4.720, 154.697

■ 93, 42.834,
151.993

100, 0.055,
318.756

■ 92, 55.041,
150.839

■ 91, 66.622,
149.512

■ 90, 77.331,
147.995

■ 89, 86.942,
146.285

■ 88, 95.282,
144.401

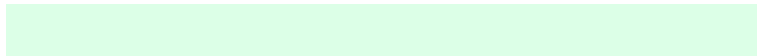
■ 88, 102.253,
142.401

■ 88, 105.975,
141.166

Harmonies

Complementary

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



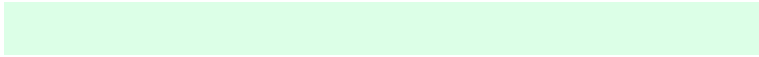
97, 17.476, 153.876



91, 17.598, 335.818

Rectangle

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



97, 17.476, 153.876



97, 17.476, 203.876



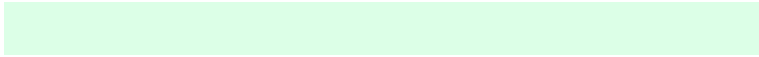
97, 17.476, 333.876



97, 17.476, 23.876

Sweetspot

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



97, 17.478, 153.875



99, 5.064, 154.672



98, 18.161, 121.010



53, 3.601, 154.605



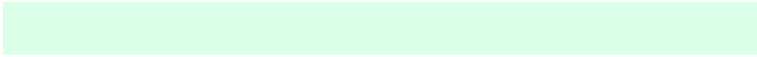
0, 0.000, 0.000



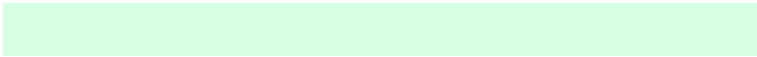
53, 0.007, 296.813

Same Dimension

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



97, 17.478, 153.875



97, 20.385, 153.685



97, 12.546, 182.053



52, 7.226, 154.218



68, 84.650, 141.536



23, 36.457, 144.467

Inverse Universe

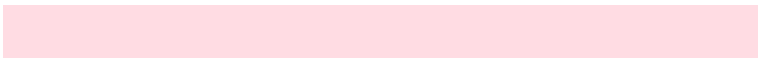
The Inverse Universe completely reimagines the original color for something new.



91, 17.598, 335.818



90, 20.541, 335.990



91, 13.255, 4.551



50, 7.266, 335.499



42, 73.655, 346.007



11, 34.718, 343.233

Previews

White Background



This preview shows how the CIE LCh color 97, 17.476, 153.876 looks on a white background.

Color Contrast Check

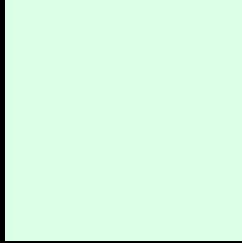
Large Text (above 18pt) WCAG AA × Fail

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, 17.476, 153.876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

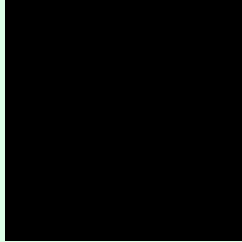
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

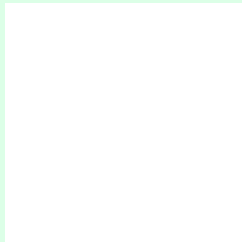
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 97, 17.476, 153.876

Background



This preview shows how black text looks on a background with the CIELCh color 97, 17.476, 153.876.

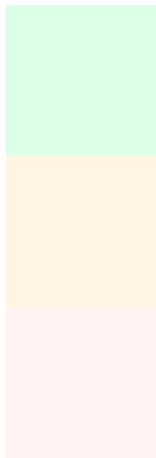


This preview shows how white text looks on a background with the CIELCh color 97, 17.476, 153.876.

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](#).

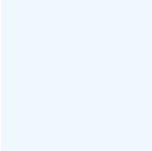
Dichromacy



Original Color
97, 17.476, 153.876

Protanopia
97, 10.331, 88.730

Deuteranopia
97, 4.299, 26.345

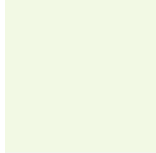


Tritanopia
97, 4.893, 256.310

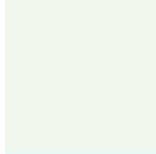
Trichromacy



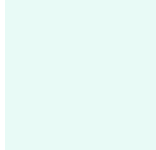
Original Color
97, 17.476, 153.876



Protanomaly
97, 11.005, 122.597



Deuteranomaly
97, 4.935, 130.865

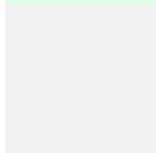


Tritanomaly
97, 6.600, 181.008

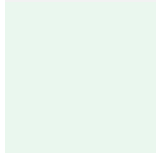
Monochromacy



Original Color
97, 17.476, 153.876



Achromatopsia
95, 0.011, 296.813



Achromatomaly
96, 6.532, 154.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 17.476, 153.876 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, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 231)  
}
```

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, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 17.476, 153.876 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, 255, 231) }
```

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

```
.border{ border-color:rgb(220, 255, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 17.476, 153.876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 231) }
```

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

```
.background{ background-color: rgb(220,  
255, 231) }
```

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