

Converting Colors

CIELCh(99, 19.519, 160.731)

Have a look what the booklet for
CIELCh(99, 19.519, 160.731)
contains.

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Color

CIElCh(97, 15.310, 166.178)

Conversions

Conversions Part 1

Format	Color
Hex	DAFFEF
RGB	218, 255, 239
RGB Percent	85%, 100%, 94%
CMY	0.1461, 0.0010, 0.0637
CMYK	0.15, 0.00, 0.06, 0.00
HSL	154°, 99%, 93%
HSV	154°, 15%, 100%
XYZ	80.0595, 92.4403, 95.0887
YIQ	242.1130, -16.9160, -12.8200

Conversions

Conversions Part 2

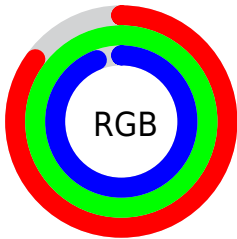
Format	Color
R_{YB}	218, 242, 255
Decimal	14352367
CIE _{Lab}	97.00, -14.87, 3.66
CIE _{LCh}	97, 15.310, 166.178
Yxy	92.4403, 0.2992, 0.3455
Android (android.graphics.Color)	4292542447 (0xFFDAFFEF)
YUV	242.1130, -1.5347, -21.1471
Hunter-Lab	96.1459, -19.6206, 8.6641

Details

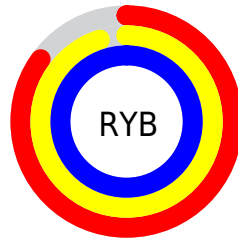
The CIELCh color **97, 15.310, 166.178** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **90, 15.702, 348.766**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 15.128, 166.112** is the 20% darker color. If you saturate the color by 10%, you get **95, 25.704, 165.143**, and if you desaturate by 10%, it is **99, 4.772, 167.173**.

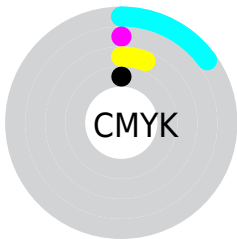
Distribution



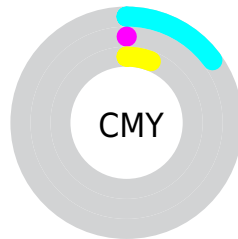
- Red (85%)
- Green (100%)
- Blue (94%)



- Red (85%)
- Yellow (95%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 15.310, 166.178 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, 15.310, 166.178 by changing the saturation by 10% instead.


 97, 15.310,
166.178


 97, 15.310,
166.178


 100, 15.310,
166.178


 87, 15.310,
166.178

 77, 15.310,
166.178

 67, 15.310,
166.178

 57, 15.310,
166.178

 47, 15.310,
166.178

 37, 15.310,
166.178

 27, 15.310,

166.178

■ 17, 15.310,
166.178

■ 7, 15.310, 166.178

■ 97, 15.310,
166.178

■ 97, 15.310,
166.178

■ 95, 25.704,
165.143

■ 99, 4.772, 167.173

■ 94, 35.794,
164.006

100, 0.166,
322.582

■ 92, 45.405,
162.736

■ 91, 54.356,
161.306

■ 90, 62.479,
159.691

■ 90, 69.646,
157.868

■ 89, 75.801,
155.827

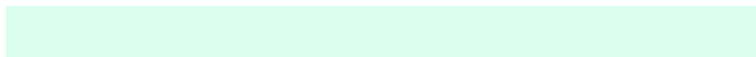
■ 89, 80.986,
153.580

■ 89, 83.526,
152.312

Harmonies

Complementary

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



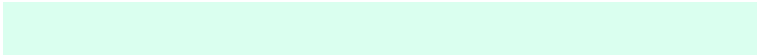
97, 15.310, 166.178



90, 15.702, 348.766

Rectangle

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



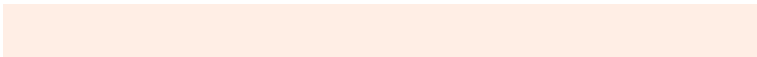
97, 15.310, 166.178



97, 15.310, 216.178



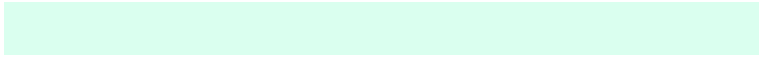
97, 15.310, 346.178



97, 15.310, 36.178

Sweetspot

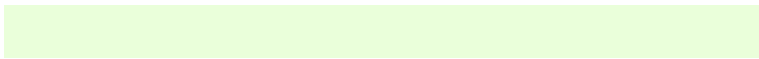
The Sweet Spot groups the original color and five complimentary colors.



97, 15.312, 166.175



99, 4.223, 167.234



98, 20.314, 130.734



53, 3.002, 167.148



0, 0.000, 0.000



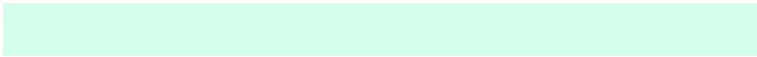
53, 0.007, 296.813

Same Dimension

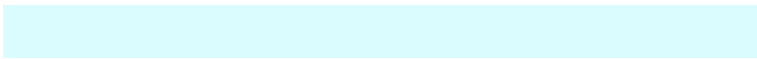
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 15.312, 166.175



97, 17.920, 165.927



97, 11.655, 204.977



52, 6.006, 166.667



68, 66.763, 152.746



23, 28.920, 155.972

Inverse Universe

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



90, 15.702, 348.766



89, 18.453, 349.023



91, 12.840, 25.933



50, 6.109, 348.260



41, 68.047, 8.646



10, 31.400, 2.047

Previews

White Background



This preview shows how the CIE LCh color 97, 15.310, 166.178 looks on a white background.

Color Contrast Check

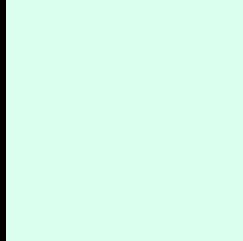
Large Text (above 18pt) WCAG AA × Fail

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, 15.310, 166.178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

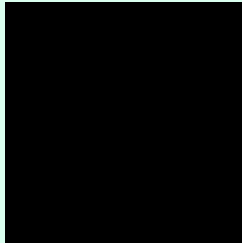
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

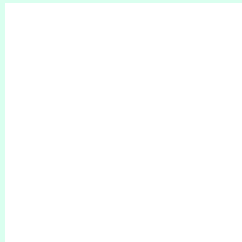
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 97, 15.310, 166.178

Background



This preview shows how black text looks on a background with the CIELCh color 97, 15.310, 166.178.

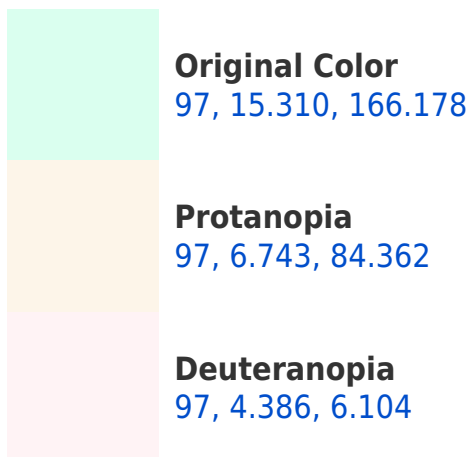


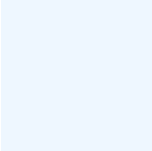
This preview shows how white text looks on a background with the CIELCh color 97, 15.310, 166.178.

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



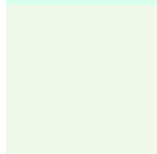


Tritanopia
97, 5.086, 253.088

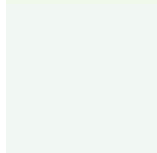
Trichromacy



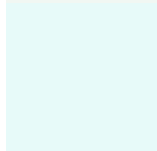
Original Color
97, 15.310, 166.178



Protanomaly
97, 7.850, 133.687



Deuteranomaly
97, 2.949, 155.634

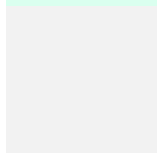


Tritanomaly
97, 6.577, 194.612

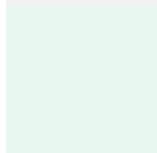
Monochromacy



Original Color
97, 15.310, 166.178



Achromatopsia
95, 0.011, 296.813



Achromatomaly
96, 5.819, 167.280

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 15.310, 166.178 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(218, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 239)  
}
```

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(218, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 15.310, 166.178 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(218, 255, 239) }
```

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

```
.border{ border-color:rgb(218, 255, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 15.310, 166.178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 239) }
```

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

```
.background{ background-color: rgb(218,  
255, 239) }
```

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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