

Converting Colors

CIELCh(97, 16.731, 166.603)

Have a look what the booklet for
CIELCh(97, 16.731, 166.603)
contains.

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Color

CIELCh(97, 16.456, 166.496)

Conversions

Conversions Part 1

Format	Color
Hex	D7FFEE
RGB	215, 255, 238
RGB Percent	84%, 100%, 93%
CMY	0.1555, 0.0000, 0.0653
CMYK	0.16, 0.00, 0.07, 0.00
HSL	155°, 100%, 92%
HSV	155°, 16%, 100%
XYZ	79.4839, 92.4403, 94.8128
YIQ	241.1020, -18.3830, -13.7670

Conversions

Conversions Part 2

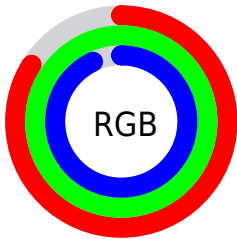
Format	Color
R _Y B	215, 240, 255
Decimal	14155758
CIE Lab	97.00, -16.00, 3.84
CIE LCh	97, 16.456, 166.496
Yxy	92.4403, 0.2980, 0.3466
Android (android.graphics.Color)	4292345838 (0xFFD7FFEE)
YUV	241.1020, -1.5293, -22.8915
Hunter-Lab	96.1459, -20.6892, 8.8342

Details

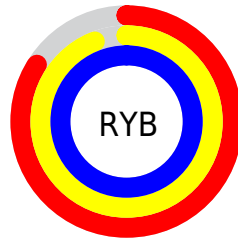
The CIELCh color **97, 16.456, 166.496** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **90, 16.721, 349.637**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 16.322, 166.401** is the 20% darker color. If you saturate the color by 10%, you get **95, 26.524, 165.768**, and if you desaturate by 10%, it is **99, 5.812, 167.811**.

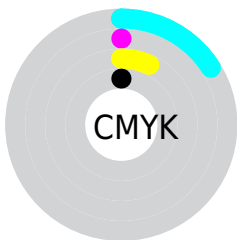
Distribution



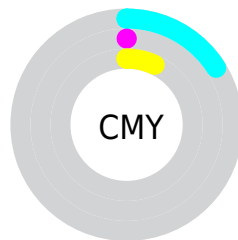
- Red (84%)
- Green (100%)
- Blue (93%)



- Red (84%)
- Yellow (94%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (7%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 16.456, 166.496 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, 16.456, 166.496 by changing the saturation by 10% instead.

 97, 16.456,
166.496

 97, 16.456,
166.496

 100, 16.456,
166.496

 87, 16.456,
166.496

 77, 16.456,
166.496

 67, 16.456,
166.496

 57, 16.456,
166.496

 47, 16.456,
166.496

 37, 16.456,
166.496

 27, 16.456,

166.496

■ 17, 16.456,
166.496

■ 7, 16.456, 166.496

■ 97, 16.456,
166.496

■ 97, 16.456,
166.496

■ 95, 26.524,
165.768

■ 99, 5.812, 167.811

■ 94, 36.464,
164.615

100, 0.012,
296.813

■ 92, 45.900,
163.329

■ 91, 54.650,
161.882

■ 90, 62.553,
160.249

■ 90, 69.490,
158.408

■ 89, 75.416,
156.349

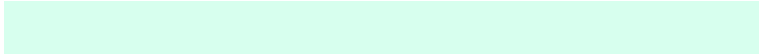
■ 89, 80.387,
154.087

■ 89, 82.392,
153.059

Harmonies

Complementary

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



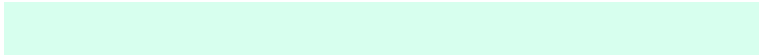
97, 16.456, 166.496



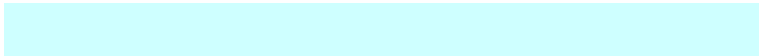
90, 16.721, 349.637

Rectangle

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



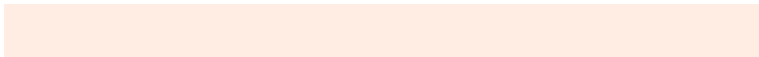
97, 16.456, 166.496



97, 16.456, 216.496



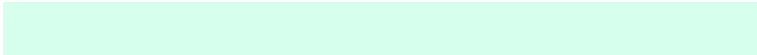
97, 16.456, 346.496



97, 16.456, 36.496

Sweetspot

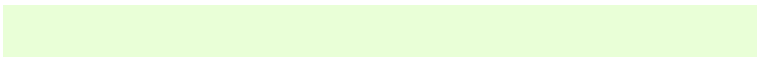
The Sweet Spot groups the original color and five complimentary colors.



97, 16.254, 166.814



99, 5.236, 167.870



98, 21.770, 130.685



53, 3.573, 167.795



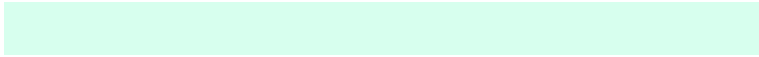
0, 0.000, 0.000



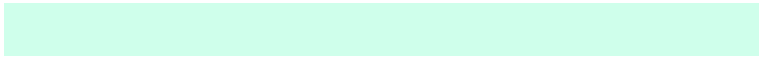
53, 0.007, 296.813

Same Dimension

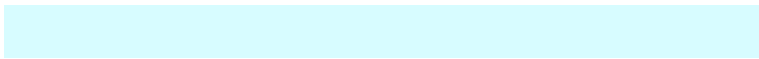
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 16.254, 166.814



96, 19.824, 166.463



97, 12.451, 204.949



52, 5.954, 167.412



68, 65.814, 153.495



23, 28.539, 156.712

Inverse Universe

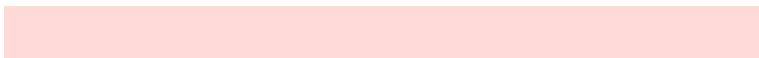
The Inverse Universe completely reimagines the original color for something new.



90, 16.721, 349.637



88, 20.522, 350.006



90, 13.817, 25.994



50, 6.061, 349.019



41, 68.127, 9.877



10, 31.352, 3.109

Previews

White Background



This preview shows how the CIE LCh color 97, 16.456, 166.496 looks on a white background.

Color Contrast Check

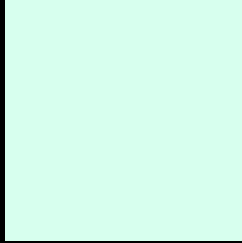
Large Text (above 18pt) WCAG AA × Fail

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, 16.456, 166.496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

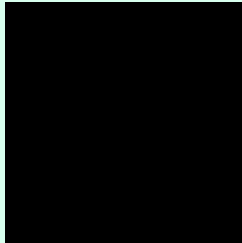
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

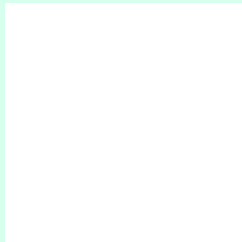
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 97, 16.456, 166.496

Background



This preview shows how black text looks on a background with the CIELCh color 97, 16.456, 166.496.

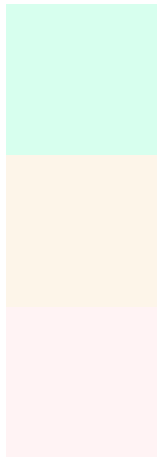


This preview shows how white text looks on a background with the CIELCh color 97, 16.456, 166.496.

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

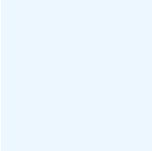
97, 16.456, 166.496

Protanopia

97, 6.743, 84.362

Deuteranopia

97, 4.296, 12.728

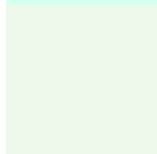


Tritanopia
97, 5.294, 250.114

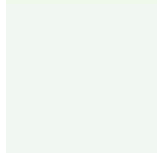
Trichromacy



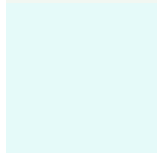
Original Color
97, 16.456, 166.496



Protanomaly
97, 8.006, 135.972



Deuteranomaly
97, 3.328, 149.349

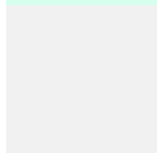


Tritanomaly
97, 7.251, 194.973

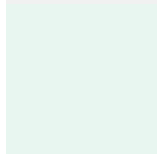
Monochromacy



Original Color
97, 16.456, 166.496



Achromatopsia
95, 0.011, 296.813



Achromatomaly
96, 5.823, 167.278

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 16.456, 166.496 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(215, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(215, 255, 238)  
}
```

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(215, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 16.456, 166.496 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(215, 255, 238) }
```

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

```
.border{ border-color:rgb(215, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(215, 255,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 16.456, 166.496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 255, 238) }
```

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

```
.background{ background-color: rgb(215,  
255, 238) }
```

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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