

Converting Colors

CIELCh(100, 22.301, 166.878)

Have a look what the booklet for
CIELCh(100, 22.301, 166.878)
contains.

CIELCh(97, 15.808, 177.536)	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, 15.808, 177.536)

Conversions

Conversions Part 1

Format	Color
Hex	D4FFF4
RGB	212, 255, 244
RGB Percent	83%, 100%, 96%
CMY	0.1668, 0.0000, 0.0413
CMYK	0.17, 0.00, 0.04, 0.00
HSL	165°, 100%, 92%
HSV	165°, 17%, 100%
XYZ	79.5890, 92.4403, 99.6021
YIQ	240.8890, -22.0970, -12.5370

Conversions

Conversions Part 2

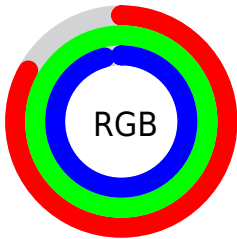
Format	Color
R_{YB}	212, 237, 255
Decimal	13959156
CIE _{Lab}	97.00, -15.79, 0.68
CIE _{LCh}	97, 15.808, 177.536
Yxy	92.4403, 0.2930, 0.3403
Android (android.graphics.Color)	4292149236 (0xFFD4FFF4)
YUV	240.8890, 1.5337, -25.3357
Hunter-Lab	96.1459, -20.4940, 5.8808

Details

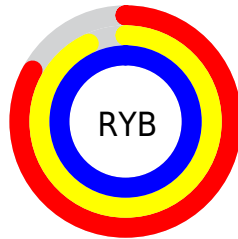
The CIELCh color **97, 15.808, 177.536** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **89, 16.502, 1.349**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 15.616, 178.053** is the 20% darker color. If you saturate the color by 10%, you get **95, 24.494, 177.112**, and if you desaturate by 10%, it is **99, 6.309, 179.167**.

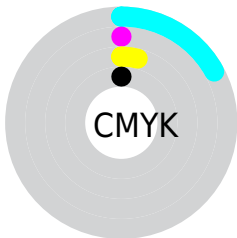
Distribution



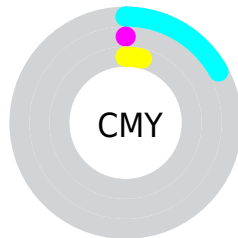
- Red (83%)
- Green (100%)
- Blue (96%)



- Red (83%)
- Yellow (93%)
- Blue (100%)



- Cyan (17%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (17%)
- Magenta (0%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 15.808, 177.536 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, 15.808, 177.536 by changing the saturation by 10% instead.


 97, 15.808,
177.536


 97, 15.808,
177.536


 100, 15.808,
177.536


 87, 15.808,
177.536

 77, 15.808,
177.536

 67, 15.808,
177.536

 57, 15.808,
177.536

 47, 15.808,
177.536

 37, 15.808,
177.536

 27, 15.808,

177.536

■ 17, 15.808,
177.536

■ 7, 15.808, 177.536

■ 97, 15.808,
177.536

■ 97, 15.808,
177.536

■ 95, 24.494,
177.112

■ 99, 6.309, 179.167

■ 94, 32.921,
176.001

100, 0.012,
296.813

■ 93, 40.688,
174.795

■ 92, 47.641,
173.471

■ 91, 53.649,
172.002

■ 90, 58.634,
170.365

■ 90, 62.591,
168.540

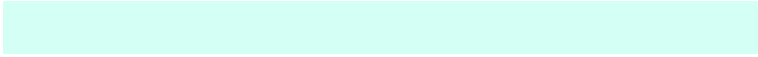
■ 90, 65.617,
166.526

■ 90, 66.505,
165.845

Harmonies

Complementary

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



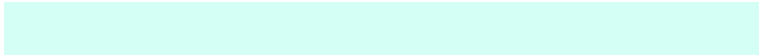
97, 15.808, 177.536



89, 16.502, 1.349

Rectangle

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



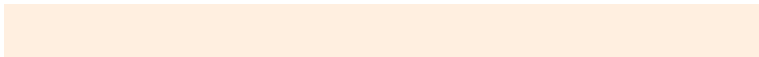
97, 15.808, 177.536



97, 15.808, 227.536



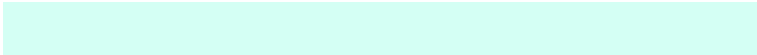
97, 15.808, 357.536



97, 15.808, 47.536

Sweetspot

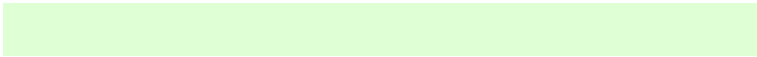
The Sweet Spot groups the original color and five complimentary colors.



97, 15.572, 178.150



99, 4.724, 179.354



97, 24.604, 136.521



53, 3.222, 179.274



0, 0.000, 0.000



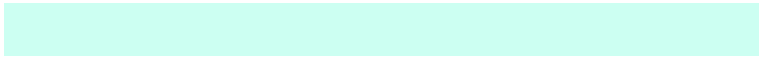
53, 0.007, 296.813

Same Dimension

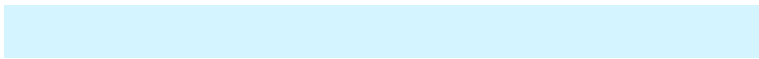
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 15.572, 178.150



96, 18.575, 177.812



94, 11.845, 226.463



52, 5.352, 178.874



69, 53.271, 166.231



23, 23.587, 169.019

Inverse Universe

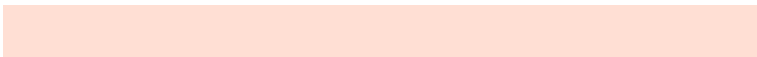
The Inverse Universe completely reimagines the original color for something new.



89, 16.502, 1.349



87, 19.925, 1.748



91, 13.139, 44.700



50, 5.531, 0.538



40, 72.724, 25.815



10, 31.712, 16.127

Previews

White Background



This preview shows how the CIE LCh color 97, 15.808, 177.536 looks on a white background.

Color Contrast Check

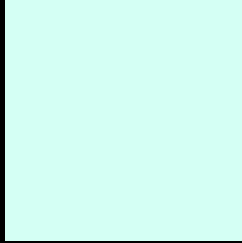
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 97, 15.808, 177.536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

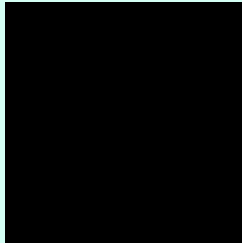
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

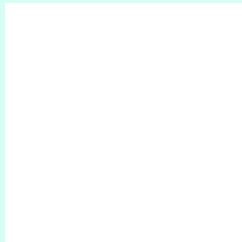
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 97, 15.808, 177.536

Background



This preview shows how black text looks on a background with the CIELCh color 97, 15.808, 177.536.

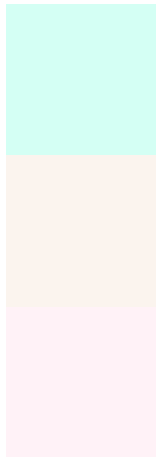


This preview shows how white text looks on a background with the CIELCh color 97, 15.808, 177.536.

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](#).

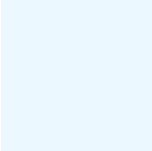
Dichromacy



Original Color
97, 15.808, 177.536

Protanopia
97, 3.931, 70.418

Deuteranopia
97, 5.282, 350.731

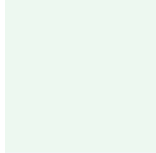


Tritanopia
97, 5.403, 240.891

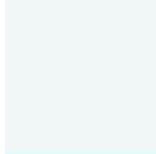
Trichromacy



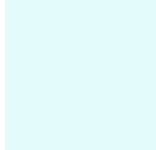
Original Color
97, 15.808, 177.536



Protanomaly
97, 5.662, 152.978



Deuteranomaly
97, 2.503, 187.712

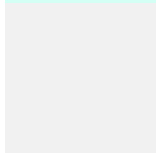


Tritanomaly
97, 8.210, 198.960

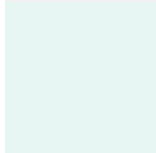
Monochromacy



Original Color
97, 15.808, 177.536



Achromatopsia
95, 0.011, 296.813



Achromatomaly
96, 5.647, 177.853

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 15.808, 177.536 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(212, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 244)  
}
```

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(212, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 15.808, 177.536 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(212, 255, 244) }
```

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

```
.border{ border-color:rgb(212, 255, 244) }
```

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

Here you see how a box with a 4 pixel rgb(212, 255, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 15.808, 177.536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 244) }
```

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

```
.background{ background-color: rgb(212,  
255, 244) }
```

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