

Converting Colors

CIELCh(93, 37.502, 174.322)

Have a look what the booklet for
CIELCh(93, 37.502, 174.322)
contains.

CIELCh(93, 37.010, 174.874)	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(93, 37.010, 174.874)

Conversions

Conversions Part 1

Format	Color
Hex	94FEE3
RGB	148, 254, 227
RGB Percent	58%, 100%, 89%
CMY	0.4184, 0.0027, 0.1086
CMYK	0.42, 0.00, 0.11, 0.00
HSL	165°, 99%, 79%
HSV	165°, 42%, 100%
XYZ	61.7147, 82.9670, 85.6519
YIQ	219.2280, -54.5090, -30.8690

Conversions

Conversions Part 2

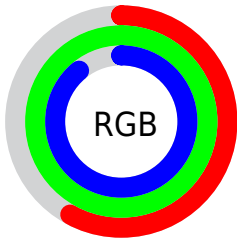
Format	Color
R_{YB}	148, 209, 254
Decimal	9764579
CIE _{Lab}	93.00, -36.86, 3.31
CIE _{LCh}	93, 37.010, 174.874
Y _{xy}	82.9670, 0.2679, 0.3602
Android (android.graphics.Color)	4287954659 (0xFF94FEE3)
YUV	219.2280, 3.8316, -62.4670
Hunter-Lab	91.0862, -38.4598, 8.0077

Details

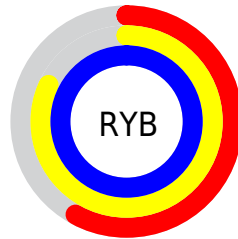
The CIELCh color **93, 37.010, 174.874** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **73, 42.995, 4.487**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 16.252, 198.426**, and **73, 37.049, 175.019** is the 20% darker color. If you saturate the color by 10%, you get **92, 44.438, 173.600**, and if you desaturate by 10%, it is **94, 28.853, 176.036**.

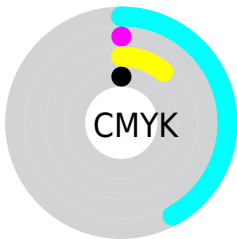
Distribution



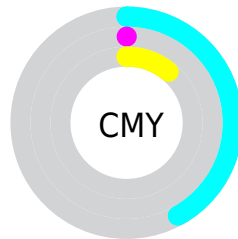
- Red (58%)
- Green (100%)
- Blue (89%)



- Red (58%)
- Yellow (82%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (42%)
- Magenta (0%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 37.010, 174.874 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 93, 37.010, 174.874 by changing the saturation by 10% instead.


 93, 37.010,
174.874


 93, 37.010,
174.874


 100, 37.010,
174.874


 83, 37.010,
174.874

 73, 37.010,
174.874

 63, 37.010,
174.874

 53, 37.010,
174.874

 43, 37.010,
174.874

 33, 37.010,
174.874

 23, 37.010,

174.874

■ 13, 37.010,
174.874

■ 3, 37.010, 174.874

■ 93, 37.010,
174.874

■ 93, 37.010,
174.874

■ 92, 44.438,
173.600

■ 94, 28.853,
176.036

■ 91, 50.988,
172.193

■ 96, 20.126,
177.113

■ 90, 56.552,
170.627

■ 98, 10.991,
178.133

■ 90, 61.085,
168.879

■ 99, 1.592, 179.384

■ 100, 0.436,

■ 89, 64.627,
166.936

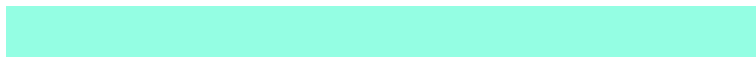
323.746

■ 89, 66.986,
165.207

Harmonies

Complementary

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



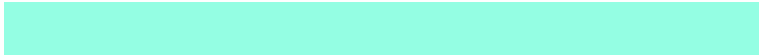
93, 37.010, 174.874



73, 42.995, 4.487

Rectangle

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



93, 37.010, 174.874



93, 37.010, 224.874



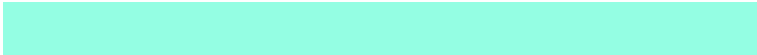
93, 37.010, 354.874



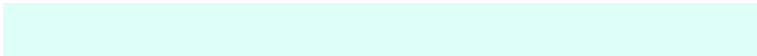
93, 37.010, 44.874

Sweetspot

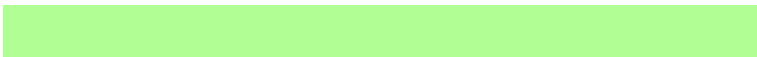
The Sweet Spot groups the original color and five complimentary colors.



93, 37.011, 174.872



98, 12.239, 178.000



93, 60.684, 134.594



52, 8.541, 177.777



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

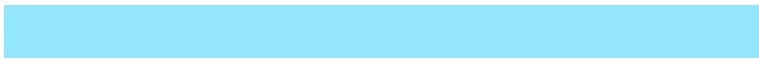
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 37.011, 174.872



92, 43.340, 173.822



87, 27.159, 226.735



52, 5.372, 178.353



69, 53.760, 165.595



23, 23.777, 168.416

Inverse Universe

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



73, 42.995, 4.487



69, 51.921, 6.170



78, 36.603, 42.653



50, 5.548, 0.021



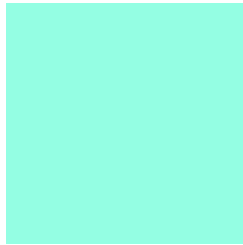
40, 72.419, 25.218



10, 31.674, 15.700

Previews

White Background



This preview shows how the CIE LCh color 93, 37.010, 174.874 looks on a white background.

Color Contrast Check

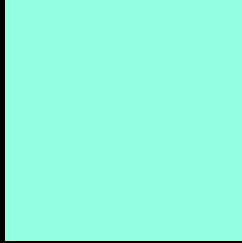
Large Text (above 18pt) WCAG AA × Fail

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 93, 37.010, 174.874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

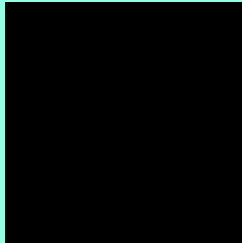
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

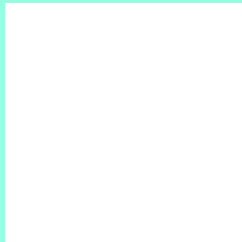
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 93, 37.010, 174.874

Background



This preview shows how black text looks on a background with the CIELCh color 93, 37.010, 174.874.

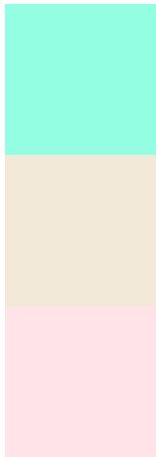


This preview shows how white text looks on a background with the CIELCh color 93, 37.010, 174.874.

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
93, 37.010, 174.874

Protanopia
93, 9.335, 88.704

Deuteranopia
93, 10.580, 3.170



Tritanopia
93, 17.222, 219.676

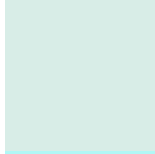
Trichromacy



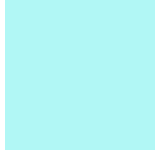
Original Color
93, 37.010, 174.874



Protanomaly
92, 16.050, 155.951



Deuteranomaly
92, 8.031, 176.206

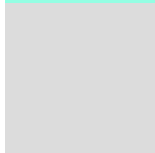


Tritanomaly
93, 22.769, 195.353

Monochromacy



Original Color
93, 37.010, 174.874



Achromatopsia
88, 0.010, 296.813



Achromatomaly
89, 14.080, 178.996

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 37.010, 174.874 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(148, 254, 227)` looks like.

```
.text, #text, p{  
    color:rgb(148, 254, 227)  
}
```

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(148, 254, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 254, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 37.010, 174.874 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(148, 254, 227) }
```

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

```
.border{ border-color:rgb(148, 254, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 254, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 254, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 254, 227);  
box-shadow:4px 4px 4px 4px rgb(148, 254,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 37.010, 174.874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 254, 227) }
```

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

```
.background{ background-color: rgb(148,  
254, 227) }
```

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