

Converting Colors

CIELCh(100, 45.973, 165.020)

Have a look what the booklet for
CIELCh(100, 45.973, 165.020)
contains.

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Color

CIELCh(94, 34.261, 175.089)

Conversions

Conversions Part 1

Format	Color
Hex	9FFFE7
RGB	159, 255, 231
RGB Percent	62%, 100%, 91%
CMY	0.3767, 0.0000, 0.0943
CMYK	0.38, 0.00, 0.09, 0.00
HSL	165°, 100%, 81%
HSV	165°, 38%, 100%
XYZ	64.7731, 85.2715, 88.6049
YIQ	223.5600, -49.5120, -27.8160

Conversions

Conversions Part 2

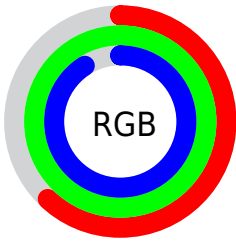
Format	Color
R_{YB}	159, 214, 255
Decimal	10485735
CIE _{Lab}	94.00, -34.14, 2.93
CIE _{LCh}	94, 34.261, 175.089
Yxy	85.2715, 0.2714, 0.3573
Android (android.graphics.Color)	4288675815 (0xFF9FFFE7)
YUV	223.5600, 3.6679, -56.6191
Hunter-Lab	92.3426, -36.3919, 7.7497

Details

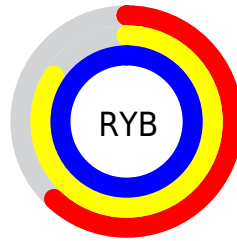
The CIELCh color **94, 34.261, 175.089** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **76, 38.733, 4.102**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **97, 12.771, 198.653**, and **74, 34.071, 175.288** is the 20% darker color. If you saturate the color by 10%, you get **93, 41.499, 174.460**, and if you desaturate by 10%, it is **95, 25.391, 176.803**.

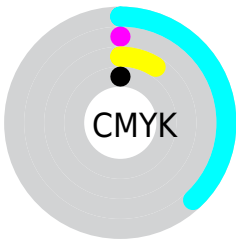
Distribution



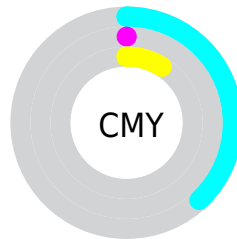
- Red (62%)
- Green (100%)
- Blue (91%)



- Red (62%)
- Yellow (84%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 94, 34.261, 175.089 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 94, 34.261, 175.089 by changing the saturation by 10% instead.


 94, 34.261,
175.089


 94, 34.261,
175.089

 100, 34.261,
175.089


 84, 34.261,
175.089

 74, 34.261,
175.089

 64, 34.261,
175.089

 54, 34.261,
175.089

 44, 34.261,
175.089

 34, 34.261,
175.089

 24, 34.261,

175.089

■ 14, 34.261,
175.089

■ 4, 34.261, 175.089

■ 94, 34.261,
175.089

■ 94, 34.261,
175.089

■ 93, 41.499,
174.460

■ 95, 25.391,
176.803

■ 92, 48.390,
173.118

■ 97, 16.492,
177.849

■ 91, 54.328,
171.628

■ 98, 7.240, 178.863

■ 90, 59.239,
169.966

100, 0.012,
296.813

■ 90, 63.127,
168.114

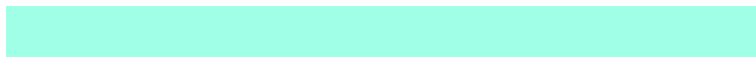
■ 90, 66.110,
166.077

■ 90, 66.743,
165.598

Harmonies

Complementary

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



94, 34.261, 175.089



76, 38.733, 4.102

Rectangle

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



94, 34.261, 175.089



94, 34.261, 225.089



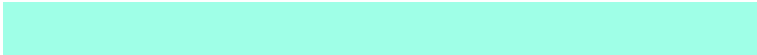
94, 34.261, 355.089



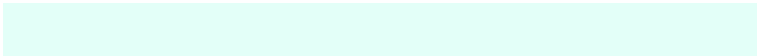
94, 34.261, 45.089

Sweetspot

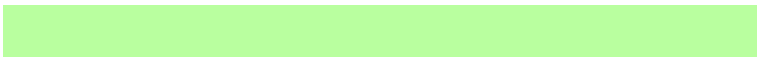
The Sweet Spot groups the original color and five complimentary colors.



94, 33.781, 175.681



98, 10.354, 178.522



94, 55.116, 134.835



52, 6.947, 178.386



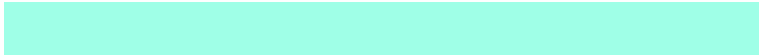
0, 0.000, 0.000



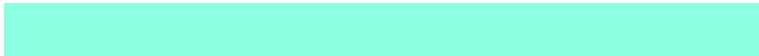
53, 0.007, 296.813

Same Dimension

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



94, 33.781, 175.681



93, 39.515, 174.797



88, 25.017, 226.218



52, 5.360, 178.674



69, 53.458, 165.986



23, 23.660, 168.786

Inverse Universe

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



76, 38.733, 4.102



72, 46.601, 5.450



80, 32.604, 42.619



50, 5.537, 0.339



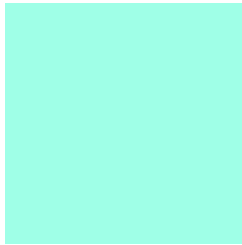
40, 72.606, 25.587



10, 31.698, 15.964

Previews

White Background



This preview shows how the CIE LCh color 94, 34.261, 175.089 looks on a white background.

Color Contrast Check

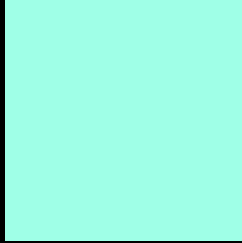
Large Text (above 18pt) WCAG AA × Fail

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 94, 34.261, 175.089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

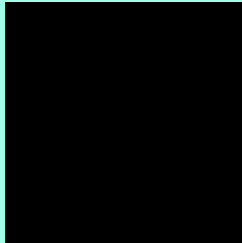
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

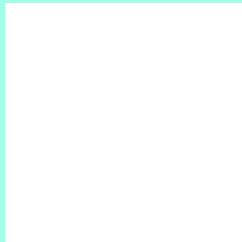
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 94, 34.261, 175.089

Background



This preview shows how black text looks on a background with the CIELCh color 94, 34.261, 175.089.

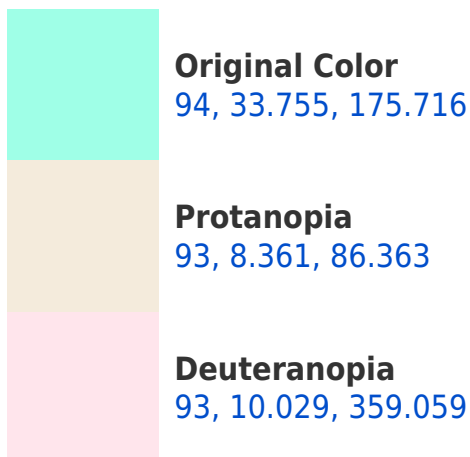


This preview shows how white text looks on a background with the CIELCh color 94, 34.261, 175.089.

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



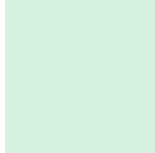


Tritanopia
93, 14.687, 223.695

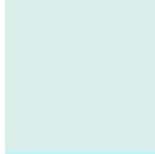
Trichromacy



Original Color
94, 33.755, 175.716



Protanomaly
93, 13.923, 156.786



Deuteranomaly
93, 6.659, 180.972

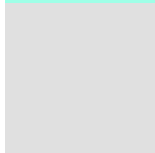


Tritanomaly
93, 20.043, 196.665

Monochromacy



Original Color
94, 33.755, 175.716



Achromatopsia
89, 0.011, 296.813



Achromatomaly
90, 12.906, 179.764

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 94, 34.261, 175.089 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(159, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(159, 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(159, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 255, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 34.261, 175.089 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(159, 255, 231) }
```

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

```
.border{ border-color:rgb(159, 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(159, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(159, 255,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 34.261, 175.089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 255, 231) }
```

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

```
.background{ background-color: rgb(159,  
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](#).

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