

Converting Colors

CIELCh(94, 37.699, 153.039)

Have a look what the booklet for
CIELCh(94, 37.699, 153.039)
contains.

CIELCh(94, 37.737, 153.304)	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(94, 37.737, 153.304)

Conversions

Conversions Part 1

Format	Color
Hex	B2FFCC
RGB	178, 255, 204
RGB Percent	70%, 100%, 80%
CMY	0.3023, 0.0003, 0.2003
CMYK	0.30, 0.00, 0.20, 0.00
HSL	140°, 100%, 85%
HSV	140°, 30%, 100%
XYZ	64.9591, 85.2715, 70.1066
YIQ	226.1630, -29.5210, -32.1850

Conversions

Conversions Part 2

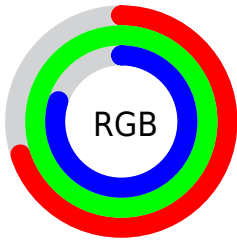
Format	Color
RYB	178, 236, 255
Decimal	11730892
CIELab	94.00, -33.71, 16.95
CIELCh	94, 37.737, 153.304
Yxy	85.2715, 0.2948, 0.3870
Android (android.graphics.Color)	4289920972 (0xFFB2FFCC)
YUV	226.1630, -10.9264, -42.2390
Hunter-Lab	92.3426, -36.0323, 19.6268

Details

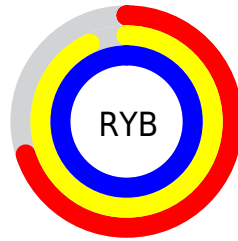
The CIELCh color **94, 37.737, 153.304** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **81, 38.280, 338.170**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 6.851, 199.068**, and **74, 37.702, 153.449** is the 20% darker color. If you saturate the color by 10%, you get **92, 49.869, 152.193**, and if you desaturate by 10%, it is **96, 25.300, 154.272**.

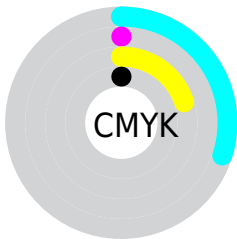
Distribution



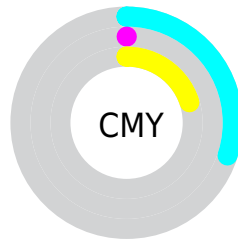
- Red (70%)
- Green (100%)
- Blue (80%)



- Red (70%)
- Yellow (93%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)



- Cyan (30%)
- Magenta (0%)
- Yellow (20%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 37.737, 153.304 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, 37.737, 153.304 by changing the saturation by 10% instead.


 94, 37.737,
153.304


 94, 37.737,
153.304

 100, 37.737,
153.304


 84, 37.737,
153.304

 74, 37.737,
153.304

 64, 37.737,
153.304

 54, 37.737,
153.304

 44, 37.737,
153.304

 34, 37.737,
153.304

 24, 37.737,

153.304

■ 14, 37.737,
153.304

■ 4, 37.737, 153.304

■ 94, 37.737,
153.304

■ 94, 37.737,
153.304

■ 92, 49.869,
152.193

■ 96, 25.300,
154.272

■ 91, 61.464,
150.917

■ 98, 12.750,
155.129

■ 90, 72.288,
149.454

■ 100, 0.248,
157.534

■ 89, 82.116,
147.793

■ 100, 0.064,
319.607

■ 89, 90.767,
145.939

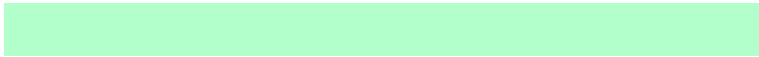
■ 88, 98.136,
143.930

■ 88, 104.152,
141.920

Harmonies

Complementary

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



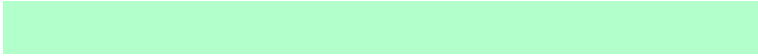
94, 37.737, 153.304



81, 38.280, 338.170

Rectangle

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



94, 37.737, 153.304



94, 37.737, 203.304



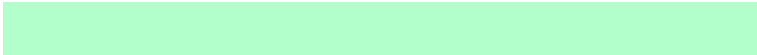
94, 37.737, 333.304



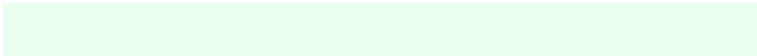
94, 37.737, 23.304

Sweetspot

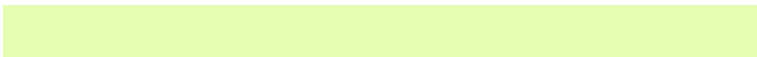
The Sweet Spot groups the original color and five complimentary colors.



94, 37.739, 153.304



98, 11.239, 155.228



97, 39.963, 121.362



52, 7.815, 155.109



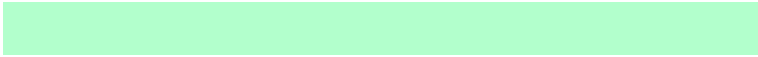
0, 0.000, 0.000



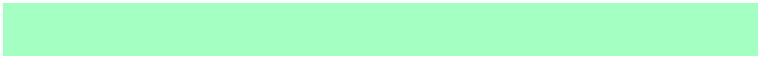
53, 0.007, 296.813

Same Dimension

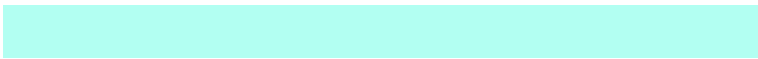
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94, 37.739, 153.304



93, 44.830, 152.679



95, 26.197, 183.110



52, 7.102, 155.187



68, 83.181, 142.303



23, 35.796, 145.300

Inverse Universe

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



81, 38.280, 338.170



78, 45.530, 338.685



80, 30.156, 9.195



50, 7.146, 336.495



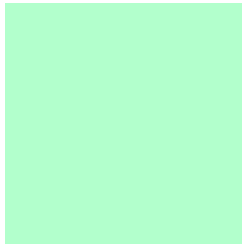
42, 72.637, 347.819



11, 34.253, 344.722

Previews

White Background



This preview shows how the CIE LCh color 94, 37.737, 153.304 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, 37.737, 153.304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

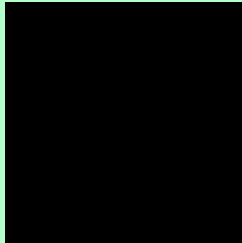
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 94, 37.737, 153.304

Background



This preview shows how black text looks on a background with the CIELCh color 94, 37.737, 153.304.

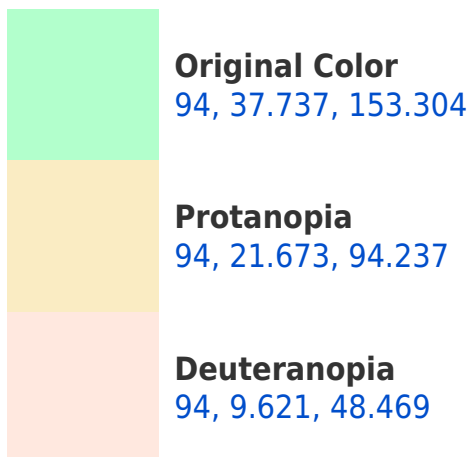


This preview shows how white text looks on a background with the CIELCh color 94, 37.737, 153.304.

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



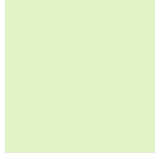


Tritanopia
94, 12.451, 228.710

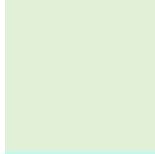
Trichromacy



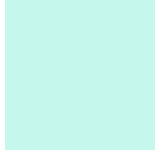
Original Color
94, 37.737, 153.304



Protanomaly
93, 24.093, 125.401



Deuteranomaly
93, 13.230, 130.088

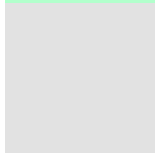


Tritanomaly
94, 17.722, 179.574

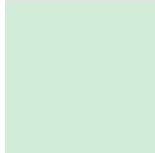
Monochromacy



Original Color
94, 37.737, 153.304



Achromatopsia
90, 0.011, 296.813



Achromatomaly
91, 14.090, 154.328

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 94, 37.737, 153.304 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(178, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 204)  
}
```

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(178, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 37.737, 153.304 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(178, 255, 204) }
```

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

```
.border{ border-color:rgb(178, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 37.737, 153.304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 204) }
```

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

```
.background{ background-color: rgb(178,  
255, 204) }
```

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