

Converting Colors

CIELCh(100, 41.465, 162.792)

Have a look what the booklet for
CIELCh(100, 41.465, 162.792)
contains.

CIELCh(94, 30.369, 172.381)	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, 30.369, 172.381)

Conversions

Conversions Part 1

Format	Color
Hex	ACFEE5
RGB	172, 254, 229
RGB Percent	67%, 100%, 90%
CMY	0.3256, 0.0041, 0.1021
CMYK	0.32, 0.00, 0.10, 0.00
HSL	162°, 97%, 84%
HSV	162°, 32%, 100%
XYZ	66.5711, 85.2715, 87.0573
YIQ	226.6320, -40.8470, -25.1590

Conversions

Conversions Part 2

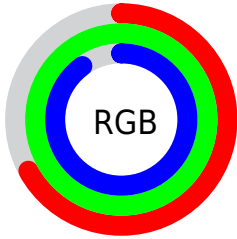
Format	Color
RYB	172, 220, 254
Decimal	11337445
CIELab	94.00, -30.10, 4.03
CIELCh	94, 30.369, 172.381
Yxy	85.2715, 0.2787, 0.3569
Android (android.graphics.Color)	4289527525 (0xFFACFEE5)
YUV	226.6320, 1.1674, -47.9123
Hunter-Lab	92.3426, -32.9162, 8.7433

Details

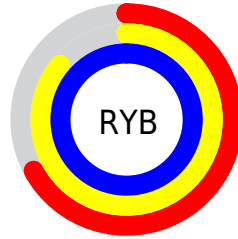
The CIELCh color **94, 30.369, 172.381** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **79, 33.405, 359.317**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 8.853, 198.921**, and **74, 30.176, 172.672** is the 20% darker color. If you saturate the color by 10%, you get **93, 38.903, 171.166**, and if you desaturate by 10%, it is **96, 21.305, 173.491**.

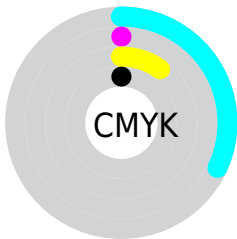
Distribution



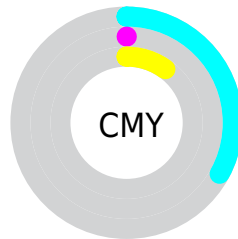
- Red (67%)
- Green (100%)
- Blue (90%)



- Red (67%)
- Yellow (86%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 94, 30.369, 172.381 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, 30.369, 172.381 by changing the saturation by 10% instead.


 94, 30.369,
172.381


 94, 30.369,
172.381


 100, 30.369,
172.381


 84, 30.369,
172.381

 74, 30.369,
172.381

 64, 30.369,
172.381

 54, 30.369,
172.381

 44, 30.369,
172.381

 34, 30.369,
172.381

 24, 30.369,

172.381

■ 14, 30.369,
172.381

■ 4, 30.369, 172.381

■ 94, 30.369,
172.381

■ 94, 30.369,
172.381

■ 93, 38.903,
171.166

■ 96, 21.305,
173.491

■ 92, 46.736,
169.826

■ 97, 11.869,
174.529

■ 91, 53.718,
168.333

■ 99, 2.211, 175.684

■ 90, 59.736,
166.662

100, 0.662,
323.997

■ 89, 64.740,
164.793

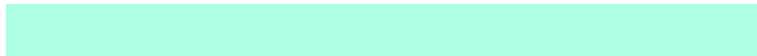
■ 89, 68.769,
162.718

■ 89, 71.368,
161.018

Harmonies

Complementary

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



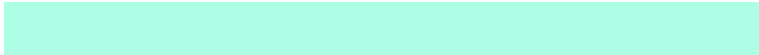
94, 30.369, 172.381



79, 33.405, 359.317

Rectangle

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



94, 30.369, 172.381



94, 30.369, 222.381



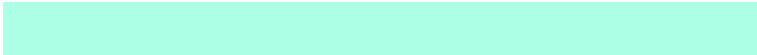
94, 30.369, 352.381



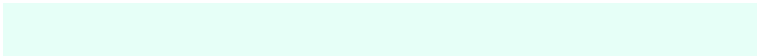
94, 30.369, 42.381

Sweetspot

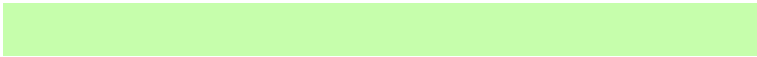
The Sweet Spot groups the original color and five complimentary colors.



94, 30.370, 172.379



98, 9.717, 174.760



94, 46.481, 133.647



52, 6.623, 174.617



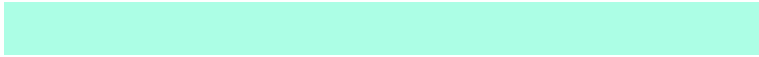
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

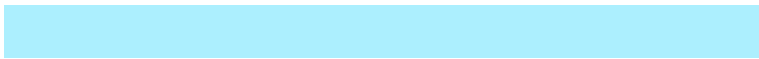
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94, 30.370, 172.379



93, 36.296, 171.575



91, 22.237, 218.849



52, 5.527, 174.811



69, 57.285, 161.426



23, 25.156, 164.437

Inverse Universe

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



79, 33.405, 359.317



75, 40.761, 0.377



82, 28.012, 37.631



50, 5.679, 356.488



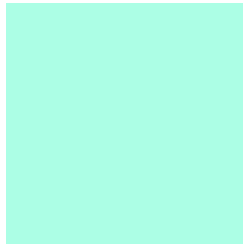
40, 70.525, 20.836



10, 31.442, 12.418

Previews

White Background



This preview shows how the CIE LCh color 94, 30.369, 172.381 looks on a white background.

Color Contrast Check

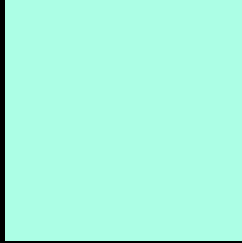
Large Text (above 18pt) WCAG AA × Fail

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, 30.369, 172.381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

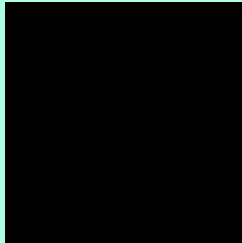
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 94, 30.369, 172.381

Background



This preview shows how black text looks on a background with the CIELCh color 94, 30.369, 172.381.

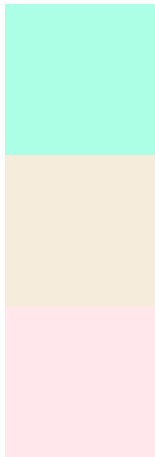


This preview shows how white text looks on a background with the CIELCh color 94, 30.369, 172.381.

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
94, 30.385, 172.367

Protanopia
94, 9.312, 88.719

Deuteranopia
94, 8.889, 6.626

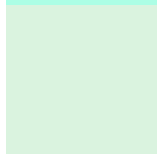


Tritanopia
94, 13.006, 227.289

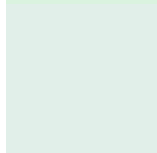
Trichromacy



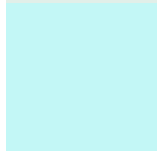
Original Color
94, 30.385, 172.367



Protanomaly
94, 13.681, 149.875



Deuteranomaly
93, 5.855, 167.262



Tritanomaly
94, 17.305, 196.612

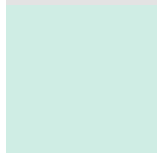
Monochromacy



Original Color
94, 30.385, 172.367



Achromatopsia
90, 0.011, 296.813



Achromatomaly
91, 11.535, 174.821

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 94, 30.369, 172.381 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(172, 254, 229)` looks like.

```
.text, #text, p{  
    color:rgb(172, 254, 229)  
}
```

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(172, 254, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 254, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 30.369, 172.381 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(172, 254, 229) }
```

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

```
.border{ border-color:rgb(172, 254, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 254, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 254, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 254, 229);  
box-shadow:4px 4px 4px 4px rgb(172, 254,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 30.369, 172.381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 254, 229) }
```

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

```
.background{ background-color: rgb(172,  
254, 229) }
```

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