

Converting Colors

CIE LCh(94, 12.020, 228.390)

Have a look what the booklet for
CIELCh(94, 12.020, 228.390)
contains.

CIELCh(94, 12.176, 229.471)	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, 12.176, 229.471)

Conversions

Conversions Part 1

Format	Color
Hex	D3F3FF
RGB	211, 243, 255
RGB Percent	83%, 95%, 100%
CMY	0.1721, 0.0465, 0.0000
CMYK	0.17, 0.05, 0.00, 0.00
HSL	196°, 100%, 91%
HSV	196°, 17%, 100%
XYZ	77.0578, 85.2715, 107.1122
YIQ	234.8000, -22.9240, -3.0520

Conversions

Conversions Part 2

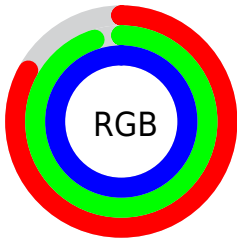
Format	Color
R_{YB}	211, 230, 255
Decimal	13890559
CIE _{Lab}	94.00, -7.91, -9.25
CIE _{LCh}	94, 12.176, 229.471
Yxy	85.2715, 0.2860, 0.3165
Android (android.graphics.Color)	4292080639 (0xFFD3F3FF)
YUV	234.8000, 9.9586, -20.8726
Hunter-Lab	92.3426, -12.6453, -4.1333

Details

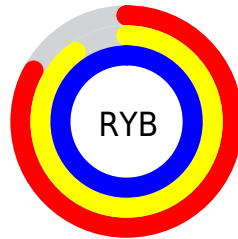
The CIELCh color **94, 12.176, 229.471** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **91, 13.478, 47.019**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **74, 12.089, 228.366** is the 20% darker color. If you saturate the color by 10%, you get **91, 18.663, 230.167**, and if you desaturate by 10%, it is **97, 5.211, 228.477**.

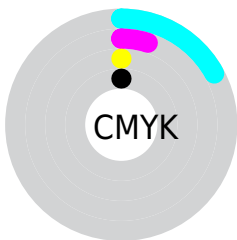
Distribution



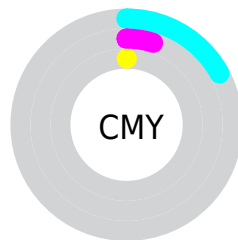
- Red (83%)
- Green (95%)
- Blue (100%)



- Red (83%)
- Yellow (90%)
- Blue (100%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)





- Cyan (17%)
- Magenta (5%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 94, 12.176, 229.471 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, 12.176, 229.471 by changing the saturation by 10% instead.


 94, 12.176,
229.471


 94, 12.176,
229.471


 100, 12.176,
229.471


 84, 12.176,
229.471

 74, 12.176,
229.471

 64, 12.176,
229.471

 54, 12.176,
229.471

 44, 12.176,
229.471

 34, 12.176,
229.471

 24, 12.176,

229.471

■ 14, 12.176,
229.471

■ 4, 12.176, 229.471

■ 94, 12.176,
229.471

■ 94, 12.176,
229.471

■ 91, 18.663,
230.167

■ 97, 5.211, 228.477

■ 87, 24.665,
231.462

100, 0.012,
296.813

■ 84, 30.056,
233.135

■ 81, 34.755,
235.273

■ 79, 38.713,
237.973

■ 76, 41.938,
241.325

■ 74, 44.524,
245.385

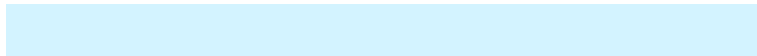
■ 72, 46.662,
250.121

■ 71, 47.251,
251.486

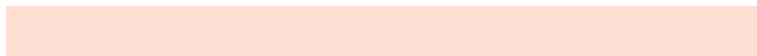
Harmonies

Complementary

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



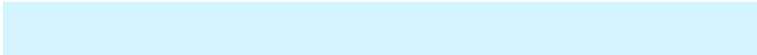
94, 12.176, 229.471



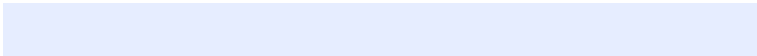
91, 13.478, 47.019

Rectangle

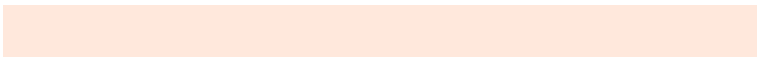
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



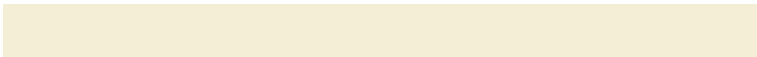
94, 12.176, 229.471



94, 12.176, 279.471



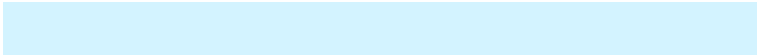
94, 12.176, 49.471



94, 12.176, 99.471

Sweetspot

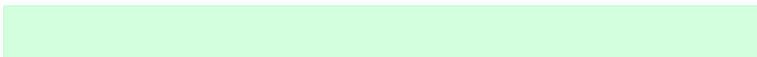
The Sweet Spot groups the original color and five complimentary colors.



94, 12.147, 229.179



98, 3.634, 228.385



96, 22.721, 151.732



52, 2.475, 228.409



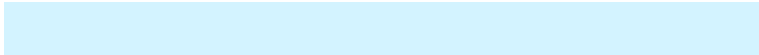
0, 0.000, 0.000



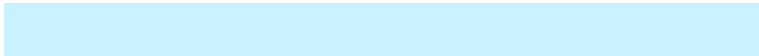
53, 0.007, 296.813

Same Dimension

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



94, 12.147, 229.179



93, 14.674, 229.521



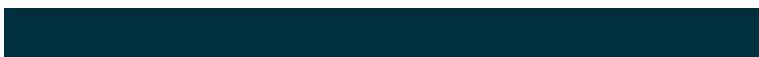
88, 17.797, 280.606



51, 4.090, 228.608



54, 37.816, 250.552



17, 16.752, 243.860

Inverse Universe

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



89, 22.794, 334.280



87, 27.862, 334.558



96, 17.544, 96.268



50, 7.496, 333.727



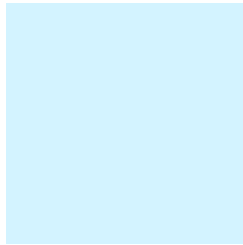
43, 75.770, 342.813



11, 35.655, 340.600

Previews

White Background



This preview shows how the CIE LCh color 94, 12.176, 229.471 looks on a white background.

Color Contrast Check

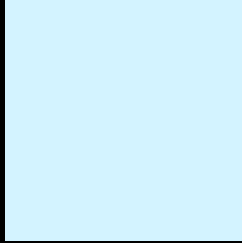
Large Text (above 18pt) WCAG AA × Fail

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, 12.176, 229.471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

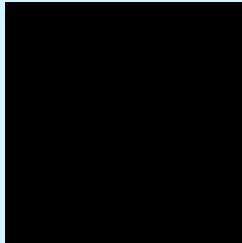
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

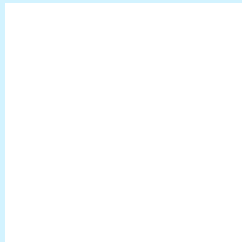
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 94, 12.176, 229.471

Background



This preview shows how black text looks on a background with the CIELCh color 94, 12.176, 229.471.

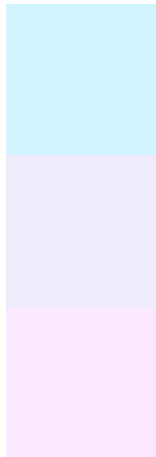


This preview shows how white text looks on a background with the CIELCh color 94, 12.176, 229.471.

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

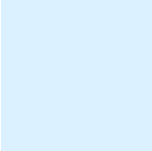
94, 12.176, 229.471

Protanopia

94, 7.776, 295.886

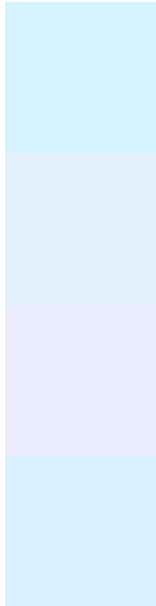
Deuteranopia

94, 13.308, 317.328



Tritanopia
94, 9.972, 245.560

Trichromacy



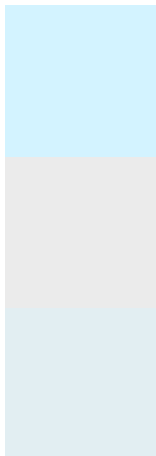
Original Color
94, 12.176, 229.471

Protanomaly
94, 7.609, 261.125

Deuteranomaly
94, 9.796, 288.948

Tritanomaly
94, 10.596, 238.319

Monochromacy



Original Color
94, 12.176, 229.471

Achromatopsia
93, 0.011, 296.813

Achromatomaly
93, 4.613, 225.881

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 94, 12.176, 229.471 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(211, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(211, 243, 255)  
}
```

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(211, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 243, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 12.176, 229.471 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(211, 243, 255) }
```

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

```
.border{ border-color:rgb(211, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(211, 243,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 12.176, 229.471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 243, 255) }
```

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

```
.background{ background-color: rgb(211,  
243, 255) }
```

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