

Converting Colors

CIELCh(93, 21.104, 209.470)

Have a look what the booklet for
CIELCh(93, 21.104, 209.470)
contains.

CIELCh(93, 21.102, 209.516)	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

CIECh(93, 21.102, 209.516)

Conversions

Conversions Part 1

Format	Color
Hex	B5F6FE
RGB	181, 246, 254
RGB Percent	71%, 96%, 100%
CMY	0.2898, 0.0349, 0.0035
CMYK	0.29, 0.03, 0.00, 0.00
HSL	187°, 98%, 85%
HSV	187°, 29%, 100%
XYZ	69.9678, 82.9670, 106.1738
YIQ	227.4770, -41.3080, -11.2920

Conversions

Conversions Part 2

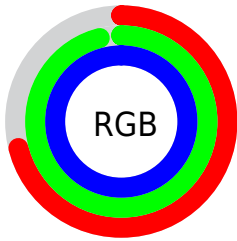
Format	Color
R _Y B	181, 215, 254
Decimal	11925246
CIE Lab	93.00, -18.36, -10.40
CIE LCh	93, 21.102, 209.516
Yxy	82.9670, 0.2700, 0.3202
Android (android.graphics.Color)	4290115326 (0xFFB5F6FE)
YUV	227.4770, 13.0758, -40.7603
Hunter-Lab	91.0862, -22.2862, -5.3505

Details

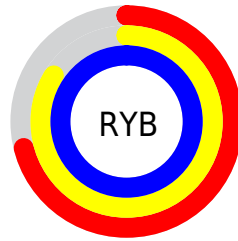
The CIELCh color **93, 21.102, 209.516** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82, 25.923, 30.619**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 5.840, 199.149**, and **73, 21.117, 208.322** is the 20% darker color. If you saturate the color by 10%, you get **91, 27.243, 209.723**, and if you desaturate by 10%, it is **95, 14.258, 209.456**.

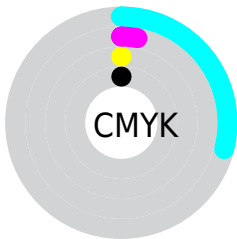
Distribution



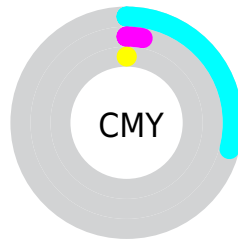
- Red (71%)
- Green (96%)
- Blue (100%)



- Red (71%)
- Yellow (84%)
- Blue (100%)



- Cyan (29%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (3%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 21.102, 209.516 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, 21.102, 209.516 by changing the saturation by 10% instead.


 93, 21.102,
209.516


 93, 21.102,
209.516


 100, 21.102,
209.516


 83, 21.102,
209.516

 73, 21.102,
209.516

 63, 21.102,
209.516

 53, 21.102,
209.516

 43, 21.102,
209.516

 33, 21.102,
209.516

 23, 21.102,

209.516

■ 13, 21.102,
209.516

■ 3, 21.102, 209.516

■ 93, 21.102,
209.516

■ 93, 21.102,
209.516

■ 91, 27.243,
209.723

■ 95, 14.258,
209.456

■ 89, 32.551,
210.119

■ 98, 6.843, 209.554

100, 0.254, 60.797

■ 88, 36.908,
210.740

100, 0.446,
109.971

■ 86, 40.232,
211.628

■ 85, 42.494,
212.830

■ 84, 43.736,
214.388

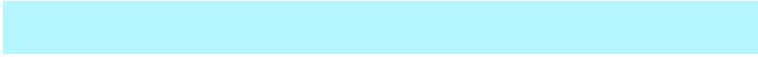
■ 83, 44.127,
216.315

■ 83, 44.153,
216.573

Harmonies

Complementary

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



93, 21.102, 209.516



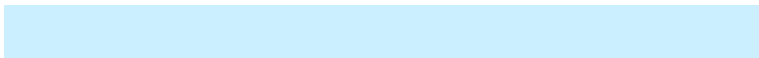
82, 25.923, 30.619

Rectangle

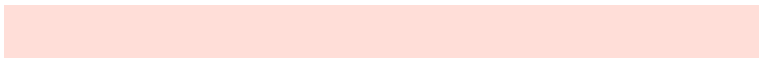
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 21.102, 209.516



93, 21.102, 259.516



93, 21.102, 29.516



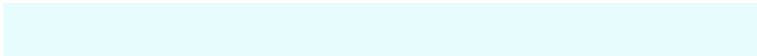
93, 21.102, 79.516

Sweetspot

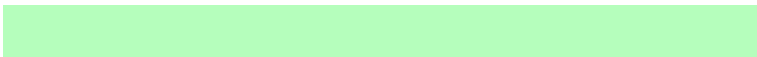
The Sweet Spot groups the original color and five complimentary colors.



93, 21.102, 209.512



98, 7.070, 209.548



94, 42.722, 145.192



52, 4.894, 209.523



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, 21.102, 209.512



92, 24.504, 209.602



84, 24.592, 269.991



52, 4.460, 209.539



64, 35.702, 216.185



21, 16.582, 213.515

Inverse Universe

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



82, 42.489, 329.264



80, 50.284, 329.583



91, 25.412, 81.623



50, 8.401, 328.096



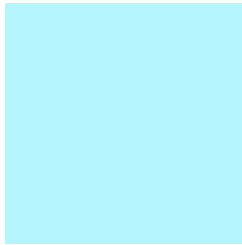
44, 85.402, 333.150



12, 39.697, 332.495

Previews

White Background



This preview shows how the CIE LCh color 93, 21.102, 209.516 looks on a white background.

Color Contrast Check

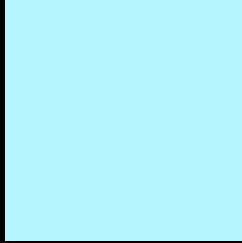
Large Text (above 18pt) WCAG AA × Fail

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, 21.102, 209.516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

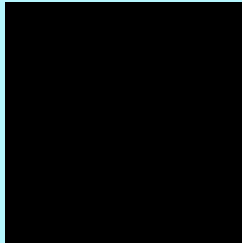
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 93, 21.102, 209.516

Background



This preview shows how black text looks on a background with the CIELCh color 93, 21.102, 209.516.

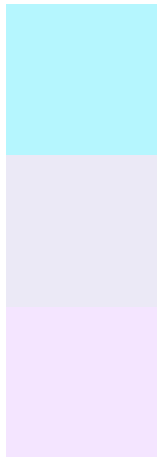


This preview shows how white text looks on a background with the CIELCh color 93, 21.102, 209.516.

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, 21.102, 209.516

Protanopia
93, 6.767, 296.610

Deuteranopia
93, 14.472, 312.135

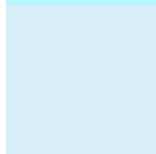


Tritanopia
93, 14.815, 228.040

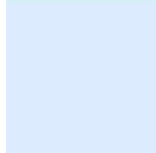
Trichromacy



Original Color
93, 21.102, 209.516



Protanomaly
93, 9.522, 235.771



Deuteranomaly
93, 11.256, 266.224

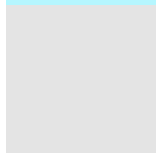


Tritanomaly
93, 16.941, 220.060

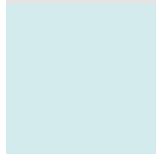
Monochromacy



Original Color
93, 21.102, 209.516



Achromatopsia
91, 0.011, 296.813



Achromatomaly
91, 8.311, 206.115

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 21.102, 209.516 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(181, 246, 254)` looks like.

```
.text, #text, p{  
    color:rgb(181, 246, 254)  
}
```

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(181, 246, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 246, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 21.102, 209.516 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(181, 246, 254) }
```

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

```
.border{ border-color:rgb(181, 246, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 246, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 246, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 246, 254);  
box-shadow:4px 4px 4px 4px rgb(181, 246,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 21.102, 209.516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 246, 254) }
```

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

```
.background{ background-color: rgb(181,  
246, 254) }
```

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