

Converting Colors

CIELCh(93, 21.708, 196.958)

Have a look what the booklet for
CIELCh(93, 21.708, 196.958)
contains.

CIELCh(93, 21.818, 196.670)	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(93, 21.818, 196.670)

Conversions

Conversions Part 1

Format	Color
Hex	B4F7F6
RGB	180, 247, 246
RGB Percent	71%, 97%, 96%
CMY	0.2937, 0.0309, 0.0349
CMYK	0.27, 0.00, 0.00, 0.03
HSL	179°, 81%, 84%
HSV	179°, 27%, 97%
XYZ	68.7946, 82.9670, 99.6664
YIQ	226.8530, -39.6110, -14.5150

Conversions

Conversions Part 2

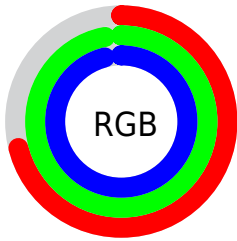
Format	Color
RYB	180, 214, 247
Decimal	11859958
CIELab	93.00, -20.90, -6.26
CIELCh	93, 21.818, 196.670
Yxy	82.9670, 0.2736, 0.3300
Android (android.graphics.Color)	4290050038 (0xFFB4F7F6)
YUV	226.8530, 9.4395, -41.0901
Hunter-Lab	91.0862, -24.5855, -1.1147

Details

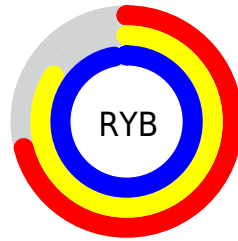
The CIELCh color **93, 21.818, 196.670** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80, 26.119, 20.449**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 6.178, 199.121**, and **73, 21.958, 196.301** is the 20% darker color. If you saturate the color by 10%, you get **92, 28.686, 196.168**, and if you desaturate by 10%, it is **94, 14.234, 197.214**.

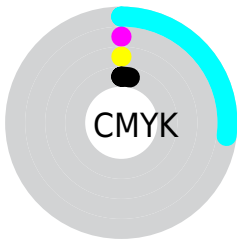
Distribution



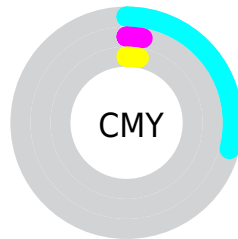
- Red (71%)
- Green (97%)
- Blue (96%)



- Red (71%)
- Yellow (84%)
- Blue (97%)



- Cyan (27%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 21.818, 196.670 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, 21.818, 196.670 by changing the saturation by 10% instead.


 93, 21.818,
196.670


 93, 21.818,
196.670


 100, 21.818,
196.670


 83, 21.818,
196.670

 73, 21.818,
196.670

 63, 21.818,
196.670

 53, 21.818,
196.670

 43, 21.818,
196.670

 33, 21.818,
196.670

 23, 21.818,

196.670

■ 13, 21.818,
196.670

■ 3, 21.818, 196.670

■ 93, 21.818,
196.670

■ 93, 21.818,
196.670

■ 92, 28.686,
196.168

■ 94, 14.234,
197.214

■ 91, 34.698,
195.719

■ 96, 6.075, 197.842

■ 90, 39.733,
195.319

■ 98, 2.520, 18.077

■ 98, 2.798, 14.379

■ 89, 43.709,
194.967

■ 98, 2.821, 10.568

■ 89, 46.595,
194.658

■ 98, 2.857, 6.837

■ 89, 48.426,
194.386

■ 98, 2.905, 3.215

■ 89, 49.329,
194.140

■ 98, 2.965, 359.724

■ 88, 49.497,
194.072

■ 98, 3.035, 356.383

Harmonies

Complementary

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



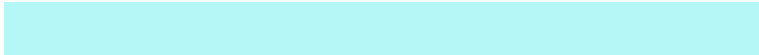
93, 21.818, 196.670



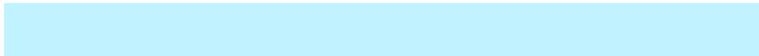
80, 26.119, 20.449

Rectangle

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



93, 21.818, 196.670



93, 21.818, 246.670



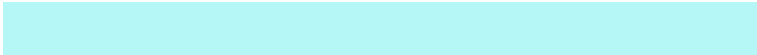
93, 21.818, 16.670



93, 21.818, 66.670

Sweetspot

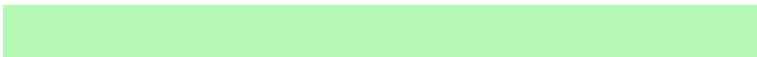
The Sweet Spot groups the original color and five complimentary colors.



93, 21.819, 196.666



99, 6.993, 197.778



92, 42.015, 142.177



52, 4.952, 197.676



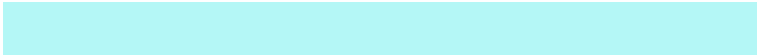
0, 0.000, 0.000



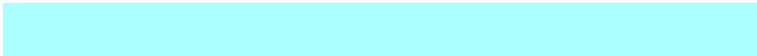
53, 0.007, 296.813

Same Dimension

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



93, 21.819, 196.666



95, 26.620, 196.364



84, 20.042, 257.739



50, 4.789, 197.679



68, 40.005, 194.112



22, 17.759, 194.409

Inverse Universe

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



80, 26.119, 20.449



78, 33.315, 21.210



87, 21.769, 70.265



48, 5.079, 18.728



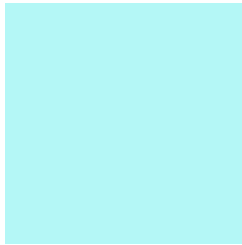
39, 81.863, 39.390



8, 30.927, 24.411

Previews

White Background



This preview shows how the CIE LCh color 93, 21.818, 196.670 looks on a white background.

Color Contrast Check

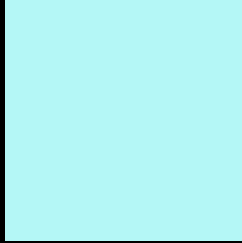
Large Text (above 18pt) WCAG AA × Fail

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, 21.818, 196.670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

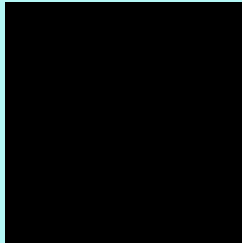
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 93, 21.818, 196.670

Background



This preview shows how black text looks on a background with the CIELCh color 93, 21.818, 196.670.

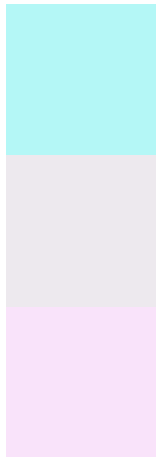


This preview shows how white text looks on a background with the CIELCh color 93, 21.818, 196.670.

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, 21.818, 196.670

Protanopia

93, 2.967, 318.825

Deuteranopia

93, 14.227, 323.738

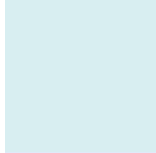


Tritanopia
93, 14.815, 228.040

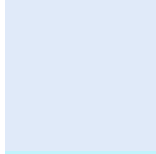
Trichromacy



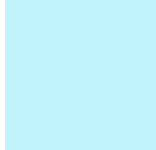
Original Color
93, 21.818, 196.670



Protanomaly
93, 7.691, 210.650

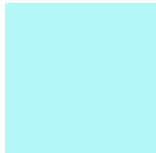


Deuteranomaly
92, 8.408, 266.819

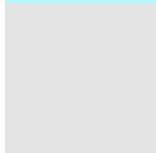


Tritanomaly
93, 16.876, 214.516

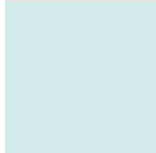
Monochromacy



Original Color
93, 21.818, 196.670



Achromatopsia
90, 0.011, 296.813



Achromatomaly
91, 8.305, 198.920

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 21.818, 196.670 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(180, 247, 246)` looks like.

```
.text, #text, p{  
    color:rgb(180, 247, 246)  
}
```

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(180, 247, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 247, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 21.818, 196.670 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(180, 247, 246) }
```

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

```
.border{ border-color:rgb(180, 247, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 247, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 247, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 247, 246);  
box-shadow:4px 4px 4px 4px rgb(180, 247,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 21.818, 196.670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 247, 246) }
```

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

```
.background{ background-color: rgb(180,  
247, 246) }
```

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