

Converting Colors

CIELCh(100, 90.795, 286.464)

Have a look what the booklet for
CIELCh(100, 90.795, 286.464)
contains.

CIELCh(93, 22.741, 207.244)	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, 22.741, 207.244)

Conversions

Conversions Part 1

Format	Color
Hex	B0F7FE
RGB	176, 247, 254
RGB Percent	69%, 97%, 100%
CMY	0.3094, 0.0311, 0.0036
CMYK	0.31, 0.03, 0.00, 0.00
HSL	185°, 98%, 84%
HSV	185°, 31%, 100%
XYZ	69.1090, 82.9670, 106.1965
YIQ	226.5690, -44.5630, -12.8750

Conversions

Conversions Part 2

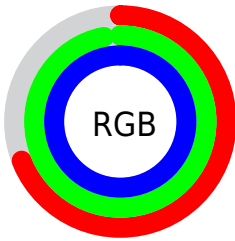
Format	Color
RYB	176, 213, 254
Decimal	11597822
CIELab	93.00, -20.22, -10.41
CIElCh	93, 22.741, 207.244
Yxy	82.9670, 0.2676, 0.3212
Android (android.graphics.Color)	4289787902 (0xFFB0F7FE)
YUV	226.5690, 13.5235, -44.3490
Hunter-Lab	91.0862, -23.9694, -5.3653

Details

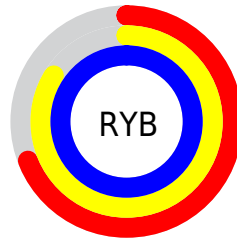
The CIELCh color **93, 22.741, 207.244** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81, 28.371, 29.041**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 7.186, 199.043**, and **73, 23.000, 205.929** is the 20% darker color. If you saturate the color by 10%, you get **91, 28.825, 207.351**, and if you desaturate by 10%, it is **95, 15.913, 207.269**.

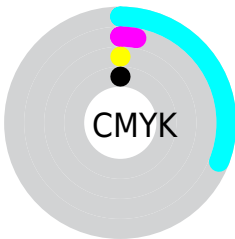
Distribution



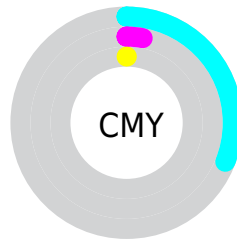
- Red (69%)
- Green (97%)
- Blue (100%)



- Red (69%)
- Yellow (84%)
- Blue (100%)



- Cyan (31%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (3%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 22.741, 207.244 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, 22.741, 207.244 by changing the saturation by 10% instead.


 93, 22.741,
207.244


 93, 22.741,
207.244

 100, 22.741,
207.244

 83, 22.741,
207.244

 73, 22.741,
207.244

 63, 22.741,
207.244


 53, 22.741,
207.244

 43, 22.741,
207.244

 33, 22.741,
207.244

 23, 22.741,


207.244


 13, 22.741,
207.244


 3, 22.741, 207.244

 93, 22.741,
207.244


 93, 22.741,
207.244


 91, 28.825,
207.351


 95, 15.913,
207.269


 90, 34.033,
207.628

 97, 8.477, 207.429

 88, 38.254,
208.102

 100, 0.561,
208.746

 87, 41.412,
208.808

 100, 0.459,
109.975

■ 86, 43.491,
209.781

■ 85, 44.550,
211.052

■ 84, 44.815,
212.491

Harmonies

Complementary

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



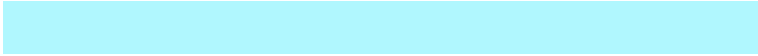
93, 22.741, 207.244



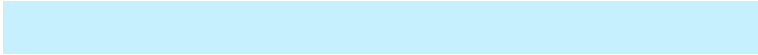
81, 28.371, 29.041

Rectangle

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



93, 22.741, 207.244



93, 22.741, 257.244



93, 22.741, 27.244



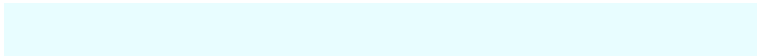
93, 22.741, 77.244

Sweetspot

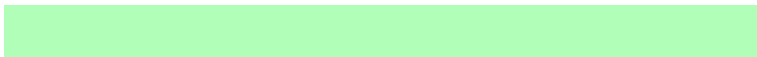
The Sweet Spot groups the original color and five complimentary colors.



93, 22.741, 207.240



98, 7.191, 207.473



93, 46.143, 144.527



52, 4.977, 207.435



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, 22.741, 207.240



92, 26.753, 207.292



83, 25.770, 268.856



52, 4.536, 207.459



65, 36.244, 212.186



22, 16.838, 210.082

Inverse Universe

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



81, 45.966, 328.750



78, 55.317, 329.119



90, 26.904, 79.812



50, 8.518, 327.489



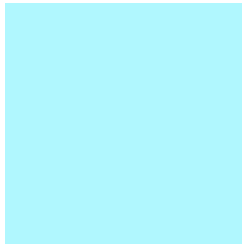
44, 86.743, 332.169



12, 40.246, 331.654

Previews

White Background



This preview shows how the CIE LCh color 93, 22.741, 207.244 looks on a white background.

Color Contrast Check

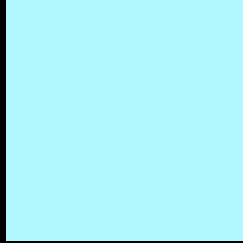
Large Text (above 18pt) WCAG AA × Fail

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, 22.741, 207.244 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, 22.741, 207.244

Background



This preview shows how black text looks on a background with the CIELCh color 93, 22.741, 207.244.

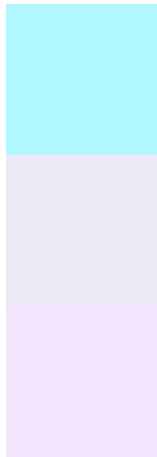


This preview shows how white text looks on a background with the CIELCh color 93, 22.741, 207.244.

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, 22.747, 207.245

Protanopia
93, 6.254, 297.067

Deuteranopia
93, 14.472, 312.135

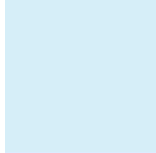


Tritanopia
93, 15.155, 225.051

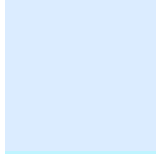
Trichromacy



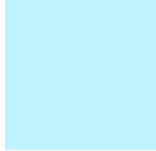
Original Color
93, 22.747, 207.245



Protanomaly
93, 9.522, 231.953

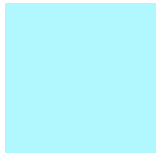


Deuteranomaly
93, 11.232, 260.368

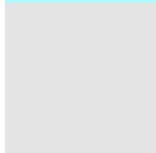


Tritanomaly
93, 17.937, 216.966

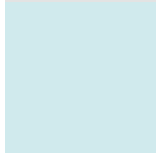
Monochromacy



Original Color
93, 22.747, 207.245



Achromatopsia
90, 0.011, 296.813



Achromatomaly
91, 9.025, 208.844

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 22.741, 207.244 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(176, 247, 254)` looks like.

```
.text, #text, p{  
    color:rgb(176, 247, 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(176, 247, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 247, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 22.741, 207.244 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(176, 247, 254) }
```

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

```
.border{ border-color:rgb(176, 247, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 247, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 247, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 247, 254);  
box-shadow:4px 4px 4px 4px rgb(176, 247,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 22.741, 207.244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 247, 254) }
```

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

```
.background{ background-color: rgb(176,  
247, 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