

Converting Colors

CIELCh(93, 20.423, 212.986)

Have a look what the booklet for
CIELCh(93, 20.423, 212.986)
contains.

CIELCh(93, 20.587, 211.326)	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, 20.587, 211.326)

Conversions

Conversions Part 1

Format	Color
Hex	B7F6FF
RGB	183, 246, 255
RGB Percent	72%, 96%, 100%
CMY	0.2835, 0.0364, 0.0011
CMYK	0.28, 0.04, 0.00, 0.00
HSL	187°, 99%, 86%
HSV	187°, 28%, 100%
XYZ	70.3299, 82.9670, 106.6678
YIQ	228.1890, -40.4370, -10.5570

Conversions

Conversions Part 2

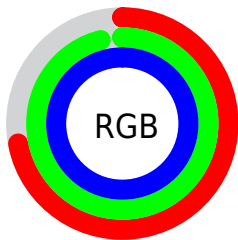
Format	Color
RYB	183, 217, 255
Decimal	12056319
CIELab	93.00, -17.59, -10.70
CIELCh	93, 20.587, 211.326
Yxy	82.9670, 0.2705, 0.3191
Android (android.graphics.Color)	4290246399 (0xFFB7F6FF)
YUV	228.1890, 13.2178, -39.6308
Hunter-Lab	91.0862, -21.5767, -5.6720

Details

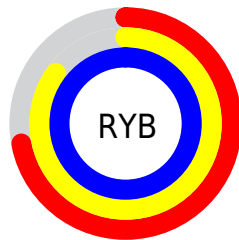
The CIELCh color **93, 20.587, 211.326** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83, 25.196, 31.976**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 5.163, 199.206**, and **73, 20.596, 210.193** is the 20% darker color. If you saturate the color by 10%, you get **91, 26.707, 211.628**, and if you desaturate by 10%, it is **95, 13.781, 211.185**.

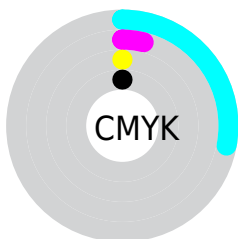
Distribution



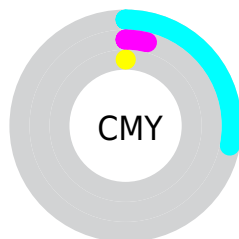
- Red (72%)
- Green (96%)
- Blue (100%)



- Red (72%)
- Yellow (85%)
- Blue (100%)



- Cyan (28%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (28%)
- Magenta (4%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 20.587, 211.326 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, 20.587, 211.326 by changing the saturation by 10% instead.


 93, 20.587,
211.326


 93, 20.587,
211.326


 100, 20.587,
211.326


 83, 20.587,
211.326

 73, 20.587,
211.326

 63, 20.587,
211.326

 53, 20.587,
211.326

 43, 20.587,
211.326

 33, 20.587,
211.326

 23, 20.587,

211.326

■ 13, 20.587,
211.326

■ 3, 20.587, 211.326

■ 93, 20.587,
211.326

■ 93, 20.587,
211.326

■ 91, 26.707,
211.628

■ 95, 13.781,
211.185

■ 89, 32.012,
212.138

■ 98, 6.419, 211.216

■ 87, 36.384,
212.898

100, 0.136,
109.601

■ 86, 39.742,
213.956

■ 84, 42.051,
215.369

■ 83, 43.356,
217.187

■ 82, 43.814,
219.432

■ 82, 43.858,
219.844

Harmonies

Complementary

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



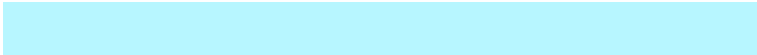
93, 20.587, 211.326



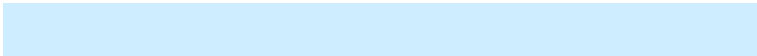
83, 25.196, 31.976

Rectangle

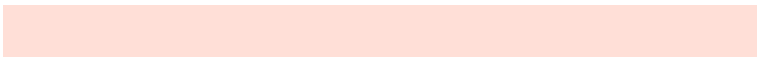
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



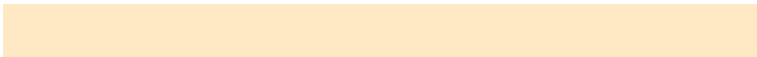
93, 20.587, 211.326



93, 20.587, 261.326



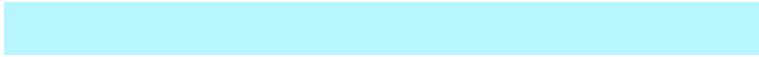
93, 20.587, 31.326



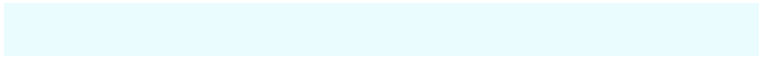
93, 20.587, 81.326

Sweetspot

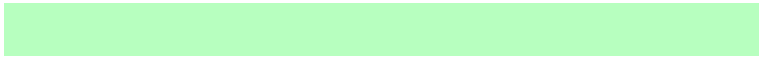
The Sweet Spot groups the original color and five complimentary colors.



93, 20.587, 211.321



98, 6.224, 211.220



94, 41.622, 145.730



52, 4.406, 211.200



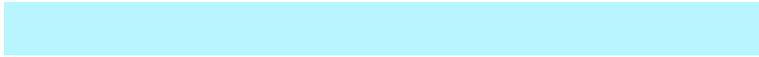
0, 0.000, 0.000



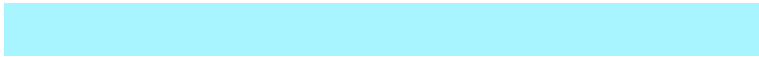
53, 0.007, 296.813

Same Dimension

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



93, 20.587, 211.321



92, 24.212, 211.474



84, 24.717, 271.377



52, 4.406, 211.200



63, 35.391, 219.388



21, 16.420, 216.264

Inverse Universe

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



83, 41.448, 329.738



80, 49.758, 330.092



92, 25.352, 83.190



50, 8.311, 328.580



44, 84.381, 333.941



12, 39.278, 333.169

Previews

White Background



This preview shows how the CIE LCh color 93, 20.587, 211.326 looks on a white background.

Color Contrast Check

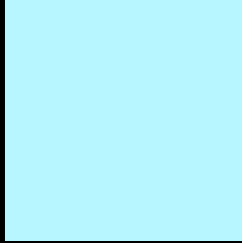
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 93, 20.587, 211.326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

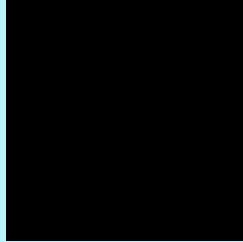
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 93, 20.587, 211.326

Background



This preview shows how black text looks on a background with the CIELCh color 93, 20.587, 211.326.

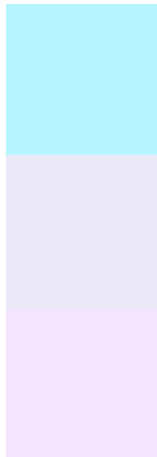


This preview shows how white text looks on a background with the CIELCh color 93, 20.587, 211.326.

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](#).

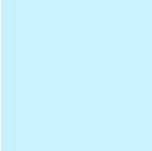
Dichromacy



Original Color
93, 20.587, 211.326

Protanopia
93, 7.281, 296.222

Deuteranopia
93, 14.472, 312.135

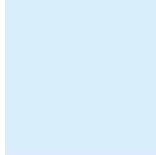


Tritanopia
93, 14.545, 228.653

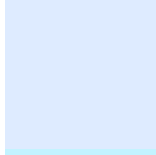
Trichromacy



Original Color
93, 20.587, 211.326



Protanomaly
93, 9.564, 239.571



Deuteranomaly
93, 11.129, 267.795

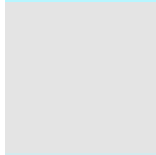


Tritanomaly
93, 16.659, 220.458

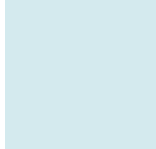
Monochromacy



Original Color
93, 20.587, 211.326



Achromatopsia
91, 0.011, 296.813



Achromatomaly
91, 7.808, 214.431

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 20.587, 211.326 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(183, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 246, 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(183, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 246, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 20.587, 211.326 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(183, 246, 255) }
```

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

```
.border{ border-color:rgb(183, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 246, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 246, 255); box-shadow:4px 4px 4px 4px rgb(183, 246, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 20.587, 211.326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 246, 255) }
```

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

```
.background{ background-color: rgb(183,  
246, 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