

Converting Colors

CIELCh(93, 34.686, 199.046)

Have a look what the booklet for
CIELCh(93, 34.686, 199.046)
contains.

CIELCh(93, 34.511, 199.029)	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, 34.511, 199.029)

Conversions

Conversions Part 1

Format	Color
Hex	88FDFF
RGB	136, 253, 255
RGB Percent	53%, 99%, 100%
CMY	0.4653, 0.0065, 0.0000
CMYK	0.47, 0.01, 0.00, 0.00
HSL	181°, 100%, 77%
HSV	181°, 47%, 100%
XYZ	63.5443, 82.9670, 107.5545
YIQ	218.2450, -70.3740, -24.1820

Conversions

Conversions Part 2

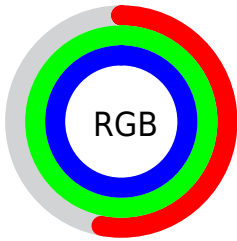
Format	Color
RYB	136, 195, 255
Decimal	8977919
CIELab	93.00, -32.63, -11.25
CIELCh	93, 34.511, 199.029
Yxy	82.9670, 0.2501, 0.3266
Android (android.graphics.Color)	4287167999 (0xFF88FDFF)
YUV	218.2450, 18.1202, -72.1289
Hunter-Lab	91.0862, -34.8744, -6.2492

Details

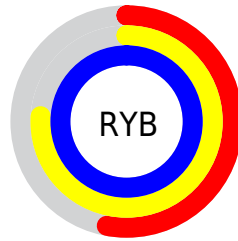
The CIELCh color **93, 34.511, 199.029** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **70, 48.737, 25.431**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 19.314, 198.231**, and **73, 34.618, 198.677** is the 20% darker color. If you saturate the color by 10%, you get **92, 39.591, 198.521**, and if you desaturate by 10%, it is **94, 28.487, 199.024**.

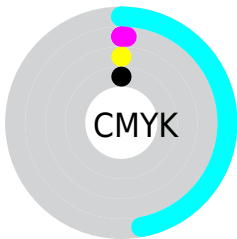
Distribution



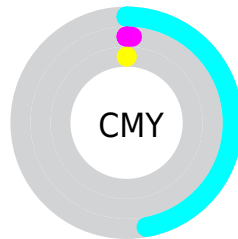
- Red (53%)
- Green (99%)
- Blue (100%)



- Red (53%)
- Yellow (76%)
- Blue (100%)



- Cyan (47%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (1%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 34.511, 199.029 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, 34.511, 199.029 by changing the saturation by 10% instead.


 93, 34.511,
199.029


 93, 34.511,
199.029

 100, 34.511,
199.029


 83, 34.511,
199.029


 73, 34.511,
199.029

 63, 34.511,
199.029

 53, 34.511,
199.029

 43, 34.511,
199.029

 33, 34.511,
199.029

 23, 34.511,

199.029

■ 13, 34.511,
199.029

■ 3, 34.511, 199.029

■ 93, 34.511,
199.029

■ 93, 34.511,
199.029

■ 92, 39.591,
198.521

■ 94, 28.487,
199.024

■ 91, 43.558,
198.398

■ 95, 21.559,
199.391

■ 91, 46.405,
198.364

■ 97, 13.895,
199.830

■ 90, 48.168,
198.422

■ 99, 5.641, 200.373

100, 0.012,

■ 90, 48.966,
198.565

296.813

■ 90, 49.110,
198.626

Harmonies

Complementary

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



93, 34.511, 199.029



70, 48.737, 25.431

Rectangle

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



93, 34.511, 199.029



93, 34.511, 249.029



93, 34.511, 19.029



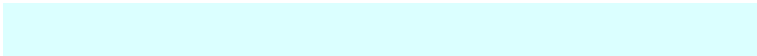
93, 34.511, 69.029

Sweetspot

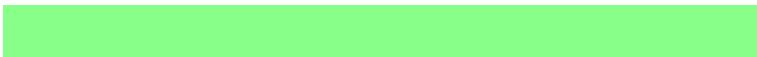
The Sweet Spot groups the original color and five complimentary colors.



93, 34.538, 198.732



97, 11.857, 199.953



91, 73.133, 140.676



52, 8.134, 199.847



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

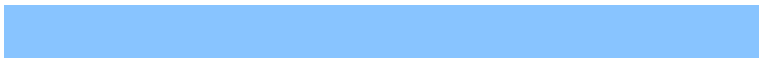
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 34.538, 198.732



92, 39.350, 198.530



77, 35.294, 264.097



52, 4.875, 200.191



69, 39.569, 198.587



23, 18.247, 198.318

Inverse Universe

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



74, 72.154, 327.310



69, 84.767, 327.733



83, 40.444, 69.535



50, 8.971, 325.323



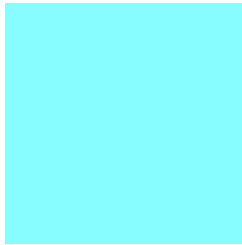
45, 92.067, 328.797



12, 42.411, 328.728

Previews

White Background



This preview shows how the CIE LCh color 93, 34.511, 199.029 looks on a white background.

Color Contrast Check

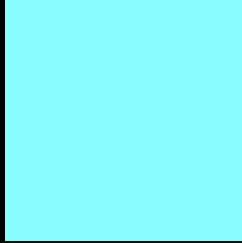
Large Text (above 18pt) WCAG AA × Fail

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, 34.511, 199.029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

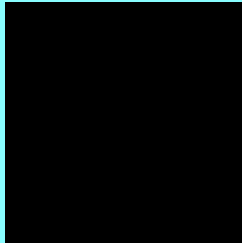
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 93, 34.511, 199.029

Background



This preview shows how black text looks on a background with the CIELCh color 93, 34.511, 199.029.

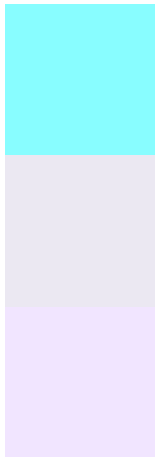


This preview shows how white text looks on a background with the CIELCh color 93, 34.511, 199.029.

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, 34.511, 199.029

Protanopia
92, 5.296, 302.030

Deuteranopia
93, 14.130, 308.187



Tritanopia
93, 18.064, 218.599

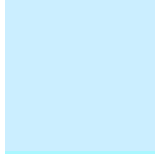
Trichromacy



Original Color
93, 34.511, 199.029



Protanomaly
92, 14.032, 213.615



Deuteranomaly
92, 14.289, 236.973

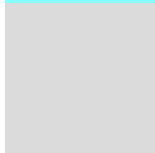


Tritanomaly
93, 24.405, 207.767

Monochromacy



Original Color
93, 34.511, 199.029



Achromatopsia
87, 0.010, 296.813



Achromatomaly
89, 14.210, 200.604

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 34.511, 199.029 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(136, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(136, 253, 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(136, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 253, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 34.511, 199.029 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(136, 253, 255) }
```

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

```
.border{ border-color:rgb(136, 253, 255) }
```

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

Here you see how a box with a 4 pixel rgb(136, 253, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(136, 253,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 34.511, 199.029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 253, 255) }
```

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

```
.background{ background-color: rgb(136,  
253, 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