

Converting Colors

CIELCh(93, 42.779, 160.302)

Have a look what the booklet for
CIELCh(93, 42.779, 160.302)
contains.

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Color

CIELCh(93, 42.591, 160.471)

Conversions

Conversions Part 1

Format	Color
Hex	9AFFCE
RGB	154, 255, 206
RGB Percent	60%, 100%, 81%
CMY	0.3955, 0.0000, 0.1916
CMYK	0.40, 0.00, 0.19, 0.00
HSL	151°, 100%, 80%
HSV	151°, 40%, 100%
XYZ	60.3232, 82.9670, 71.3216
YIQ	219.2150, -44.4670, -36.6510

Conversions

Conversions Part 2

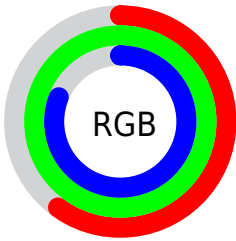
Format	Color
RYB	154, 221, 255
Decimal	10158030
CIELab	93.00, -40.14, 14.24
CIELCh	93, 42.591, 160.471
Yxy	82.9670, 0.2811, 0.3866
Android (android.graphics.Color)	4288348110 (0xFF9AFFCE)
YUV	219.2150, -6.5150, -57.1936
Hunter-Lab	91.0862, -41.1867, 17.3356

Details

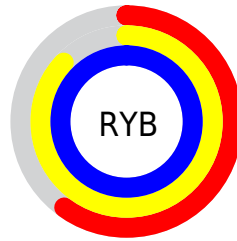
The CIELCh color **93, 42.591, 160.471** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **75, 44.749, 348.559**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 14.367, 198.548**, and **73, 42.728, 160.642** is the 20% darker color. If you saturate the color by 10%, you get **92, 52.338, 159.179**, and if you desaturate by 10%, it is **94, 32.125, 161.704**.

Distribution



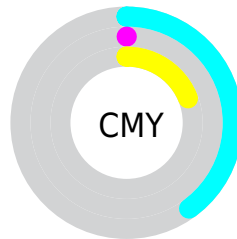
- Red (60%)
- Green (100%)
- Blue (81%)



- Red (60%)
- Yellow (87%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 42.591, 160.471 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, 42.591, 160.471 by changing the saturation by 10% instead.


 93, 42.591,
160.471


 93, 42.591,
160.471


 100, 42.591,
160.471


 83, 42.591,
160.471

 73, 42.591,
160.471

 63, 42.591,
160.471

 53, 42.591,
160.471

 43, 42.591,
160.471

 33, 42.591,
160.471

 23, 42.591,

160.471

■ 13, 42.591,
160.471

■ 3, 42.591, 160.471

■ 93, 42.591,
160.471

■ 93, 42.591,
160.471

■ 92, 52.338,
159.179

■ 94, 32.125,
161.704

■ 91, 61.437,
157.661

■ 96, 21.387,
162.763

■ 90, 69.639,
155.939

■ 98, 10.463,
163.730

■ 89, 76.835,
154.001

100, 0.012,
296.813

■ 89, 83.001,
151.849

■ 89, 88.268,
149.549

■ 89, 88.497,
149.447

Harmonies

Complementary

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



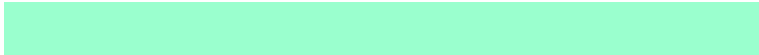
93, 42.591, 160.471



75, 44.749, 348.559

Rectangle

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



93, 42.591, 160.471



93, 42.591, 210.471



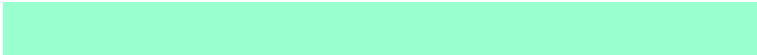
93, 42.591, 340.471



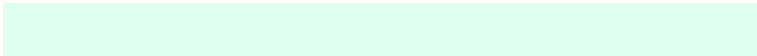
93, 42.591, 30.471

Sweetspot

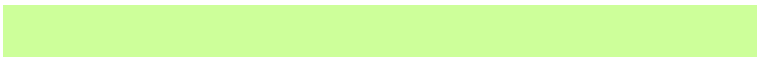
The Sweet Spot groups the original color and five complimentary colors.



93, 42.504, 160.518



98, 13.151, 163.498



95, 54.033, 127.195



52, 8.722, 163.374



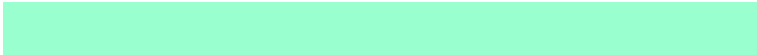
0, 0.000, 0.000



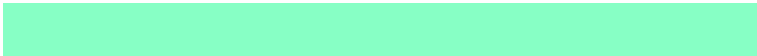
53, 0.007, 296.813

Same Dimension

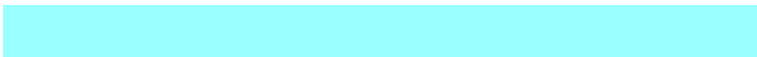
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 42.504, 160.518



92, 49.895, 159.536



94, 30.869, 197.517



52, 6.231, 163.734



68, 70.653, 149.881



23, 30.496, 153.117

Inverse Universe

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



75, 44.749, 348.559



71, 52.874, 349.612



74, 40.972, 23.304



50, 6.317, 345.268



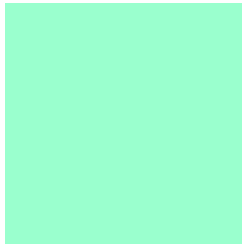
41, 68.109, 3.607



10, 31.730, 357.766

Previews

White Background



This preview shows how the CIE LCh color 93, 42.591, 160.471 looks on a white background.

Color Contrast Check

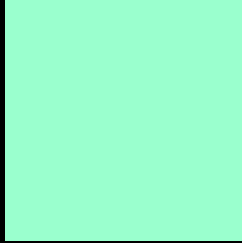
Large Text (above 18pt) WCAG AA × Fail

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, 42.591, 160.471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

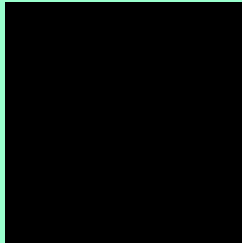
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

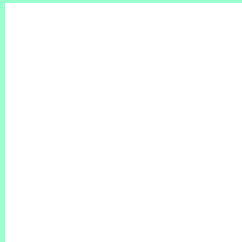
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 93, 42.591, 160.471

Background



This preview shows how black text looks on a background with the CIELCh color 93, 42.591, 160.471.

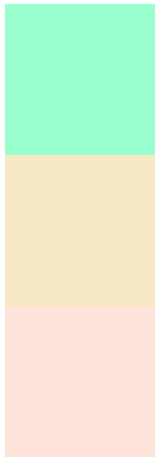


This preview shows how white text looks on a background with the CIELCh color 93, 42.591, 160.471.

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, 42.591, 160.471

Protanopia
92, 20.136, 94.373

Deuteranopia
93, 11.003, 44.780

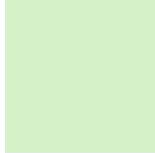


Tritanopia
93, 16.542, 222.617

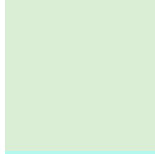
Trichromacy



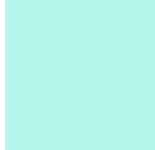
Original Color
93, 42.591, 160.471



Protanomaly
92, 23.959, 133.900

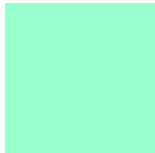


Deuteranomaly
92, 14.384, 139.328

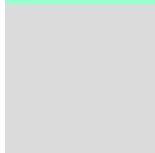


Tritanomaly
93, 22.917, 184.851

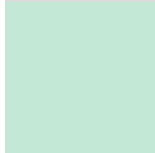
Monochromacy



Original Color
93, 42.591, 160.471



Achromatopsia
87, 0.010, 296.813



Achromatomaly
89, 16.205, 163.014

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 42.591, 160.471 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(154, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(154, 255, 206)  
}
```

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(154, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 255, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 42.591, 160.471 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(154, 255, 206) }
```

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

```
.border{ border-color:rgb(154, 255, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 255, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 255, 206); box-shadow:4px 4px 4px 4px rgb(154, 255, 206) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 42.591, 160.471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 255, 206) }
```

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

```
.background{ background-color: rgb(154,  
255, 206) }
```

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](#).

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