

Converting Colors

CIECh(93, 51.105, 145.013)

Have a look what the booklet for
CIELCh(93, 51.105, 145.013)
contains.

CIELCh(93, 50.853, 145.046)	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, 50.853, 145.046)

Conversions

Conversions Part 1

Format	Color
Hex	A7FFB1
RGB	167, 255, 177
RGB Percent	65%, 100%, 69%
CMY	0.3448, 0.0000, 0.3056
CMYK	0.34, 0.00, 0.31, 0.00
HSL	127°, 100%, 83%
HSV	127°, 34%, 100%
XYZ	59.6774, 82.9670, 54.4994
YIQ	219.7960, -27.4100, -42.9140

Conversions

Conversions Part 2

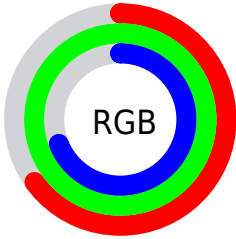
Format	Color
RYB	167, 246, 255
Decimal	11009969
CIELab	93.00, -41.68, 29.13
CIElCh	93, 50.853, 145.046
Yxy	82.9670, 0.3027, 0.4208
Android (android.graphics.Color)	4289200049 (0xFFA7FFB1)
YUV	219.7960, -21.0984, -46.3021
Hunter-Lab	91.0862, -42.4523, 28.2855

Details

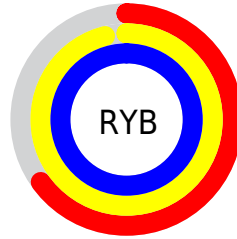
The CIELCh color **93, 50.853, 145.046** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **79, 50.833, 329.748**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 15.747, 153.050**, and **73, 51.022, 145.194** is the 20% darker color. If you saturate the color by 10%, you get **91, 64.962, 143.986**, and if you desaturate by 10%, it is **95, 36.176, 145.973**.

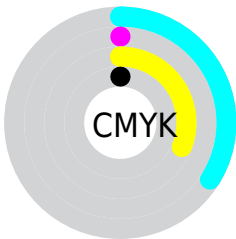
Distribution



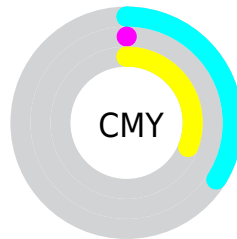
- Red (65%)
- Green (100%)
- Blue (69%)



- Red (65%)
- Yellow (96%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 50.853, 145.046 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, 50.853, 145.046 by changing the saturation by 10% instead.


 93, 50.853,
145.046


 93, 50.853,
145.046


 100, 50.853,
145.046


 83, 50.853,
145.046

 73, 50.853,
145.046

 63, 50.853,
145.046

 53, 50.853,
145.046

 43, 50.853,
145.046

 33, 50.853,
145.046

 23, 50.853,

145.046

■ 13, 50.853,
145.046

■ 3, 50.853, 145.046

■ 93, 50.853,
145.046

■ 93, 50.853,
145.046

■ 91, 64.962,
143.986

■ 95, 36.176,
145.973

■ 90, 78.287,
142.776

■ 97, 21.351,
146.767

■ 89, 90.389,
141.439

■ 99, 6.560, 147.476

■ 89, 100.838,
140.028

100, 0.012,
296.813

■ 88, 109.207,
138.635

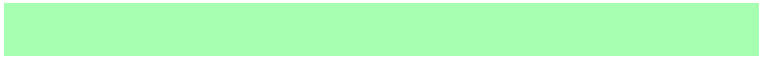
■ 88, 115.132,
137.396

■ 88, 117.338,
136.864

Harmonies

Complementary

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



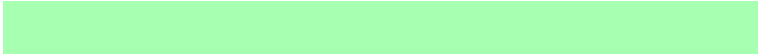
93, 50.853, 145.046



79, 50.833, 329.748

Rectangle

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



93, 50.853, 145.046



93, 50.853, 195.046



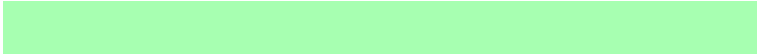
93, 50.853, 325.046



93, 50.853, 15.046

Sweetspot

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



93, 50.809, 145.051



98, 14.707, 147.089



98, 44.103, 111.272



52, 10.043, 146.990



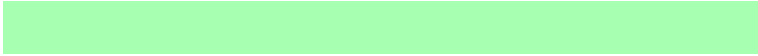
0, 0.000, 0.000



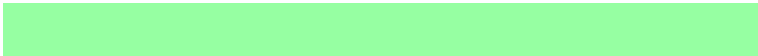
53, 0.007, 296.813

Same Dimension

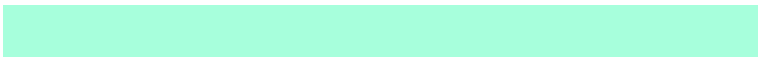
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 50.809, 145.051



92, 60.110, 144.374



94, 34.871, 165.927



52, 8.359, 147.124



68, 94.076, 137.054



22, 41.346, 139.012

Inverse Universe

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



79, 50.833, 329.748



76, 60.022, 330.141



78, 37.354, 353.156



50, 8.377, 328.226



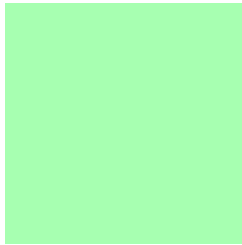
44, 85.126, 333.361



12, 39.583, 332.675

Previews

White Background



This preview shows how the CIE LCh color 93, 50.853, 145.046 looks on a white background.

Color Contrast Check

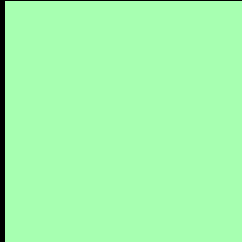
Large Text (above 18pt) WCAG AA × Fail

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, 50.853, 145.046 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, 50.853, 145.046

Background



This preview shows how black text looks on a background with the CIELCh color 93, 50.853, 145.046.

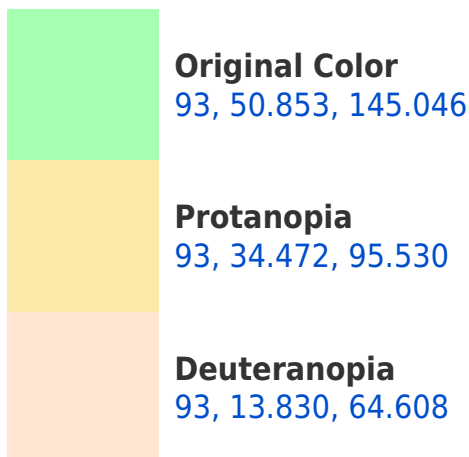


This preview shows how white text looks on a background with the CIELCh color 93, 50.853, 145.046.

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



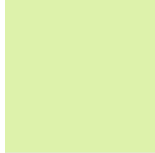


Tritanopia
93, 14.815, 228.040

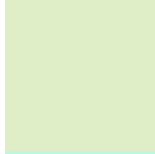
Trichromacy



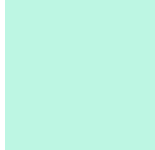
Original Color
93, 50.853, 145.046



Protanomaly
92, 36.981, 119.916



Deuteranomaly
92, 21.298, 123.721

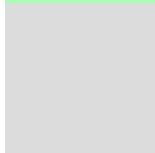


Tritanomaly
93, 21.996, 171.457

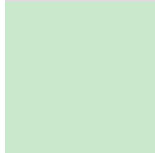
Monochromacy



Original Color
93, 50.853, 145.046



Achromatopsia
88, 0.010, 296.813



Achromatomaly
89, 19.080, 146.227

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 50.853, 145.046 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(167, 255, 177)` looks like.

```
.text, #text, p{  
    color:rgb(167, 255, 177)  
}
```

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(167, 255, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 50.853, 145.046 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(167, 255, 177) }
```

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

```
.border{ border-color:rgb(167, 255, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 255, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 255, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 255, 177);  
box-shadow:4px 4px 4px 4px rgb(167, 255,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 50.853, 145.046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 255, 177) }
```

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

```
.background{ background-color: rgb(167,  
255, 177) }
```

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