

# Converting Colors

CIELCh(93, 53.284, 142.000)

Have a look what the booklet for  
CIELCh(93, 53.284, 142.000)  
contains.

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# Color

**CIELCh(93, 53.141, 142.013)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAFFAA
RGB	170, 255, 170
RGB Percent	67%, 100%, 67%
CMY	0.3333, 0.0000, 0.3333
CMYK	0.33, 0.00, 0.33, 0.00
HSL	120°, 100%, 83%
HSV	120°, 33%, 100%
XYZ	59.5924, 82.9670, 50.9031
YIQ	219.8950, -23.3750, -44.4550

# Conversions

## Conversions Part 2

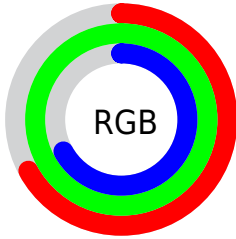
Format	Color
<a href="#">RYB</a>	<a href="#">170, 255, 255</a>
Decimal	<a href="#">11206570</a>
CIELab	<a href="#">93.00, -41.88, 32.71</a>
CIELCh	<a href="#">93, 53.141, 142.013</a>
Yxy	<a href="#">82.9670, 0.3080, 0.4289</a>
Android (android.graphics.Color)	<a href="#">4289396650 (0xFFAAFFAA)</a>
YUV	<a href="#">219.8950, -24.5982, -43.7579</a>
Hunter-Lab	<a href="#">91.0862, -42.6188, 30.6265</a>

# Details

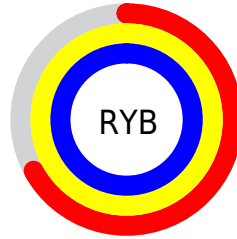
The CIELCh color **93, 53.141, 142.013** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **80, 53.103, 326.256**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 17.908, 142.881**, and **73, 53.390, 142.106** is the 20% darker color. If you saturate the color by 10%, you get **91, 68.430, 141.018**, and if you desaturate by 10%, it is **95, 37.301, 142.885**.

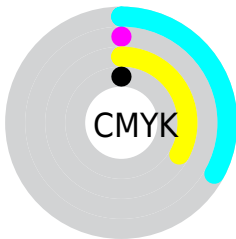
# Distribution



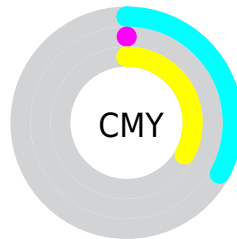
- Red (67%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (33%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 53.141, 142.013 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, 53.141, 142.013 by changing the saturation by 10% instead.





 93, 53.141,  
142.013


 93, 53.141,  
142.013


 100, 53.141,  
142.013


 83, 53.141,  
142.013

 73, 53.141,  
142.013

 63, 53.141,  
142.013


 53, 53.141,  
142.013

 43, 53.141,  
142.013


 33, 53.141,  
142.013


 23, 53.141,


142.013


 13, 53.141,  
142.013


 3, 53.141, 142.013


 93, 53.141,  
142.013


 93, 53.141,  
142.013

 91, 68.430,  
141.018


 95, 37.301,  
142.885

 90, 82.726,  
139.918

 97, 21.257,  
143.636

 89, 95.482,  
138.767

 99, 5.271, 144.312

 89, 106.062,  
137.669

100, 0.012,  
296.813

■ 88, 113.817,  
136.768

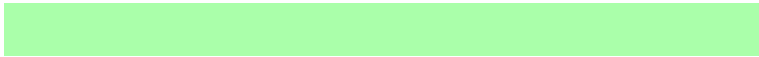
■ 88, 118.313,  
136.206

■ 88, 119.778,  
136.016

# Harmonies

# Complementary

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



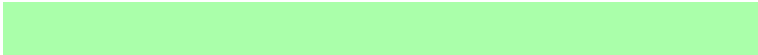
93, 53.141, 142.013



80, 53.103, 326.256

# Rectangle

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



93, 53.141, 142.013



93, 53.141, 192.013



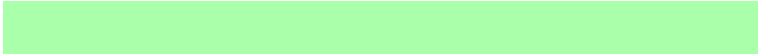
93, 53.141, 322.013



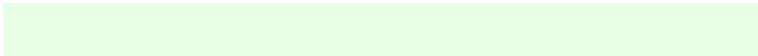
93, 53.141, 12.013

# Sweetspot

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



93, 53.141, 142.013



98, 15.912, 143.864



98, 42.533, 106.929



52, 10.865, 143.769



0, 0.000, 0.000



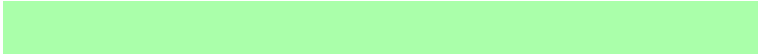
53, 0.007, 296.813



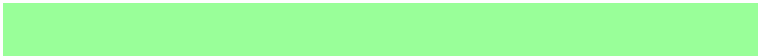


# Same Dimension

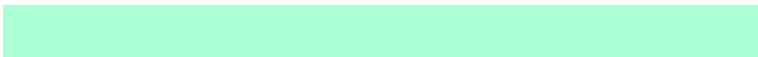
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 53.141, 142.013



92, 63.420, 141.363



94, 36.560, 160.451



52, 9.043, 143.897



68, 96.474, 136.016



22, 43.825, 136.777



# Inverse Universe

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



80, 53.103, 326.256



77, 63.286, 326.595



79, 38.091, 346.862



50, 9.057, 324.947



45, 93.082, 328.233

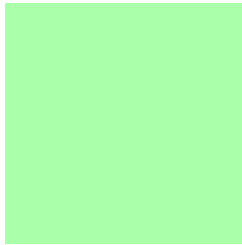


12, 42.822, 328.233



# Previews

## White Background



This preview shows how the CIE LCh color 93, 53.141, 142.013 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, 53.141, 142.013 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

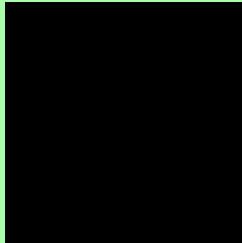
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

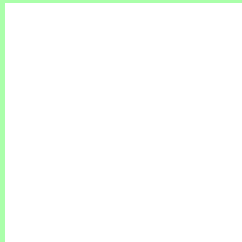
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 93, 53.141, 142.013

## Background



This preview shows how black text looks on a background with the CIELCh color 93, 53.141, 142.013.

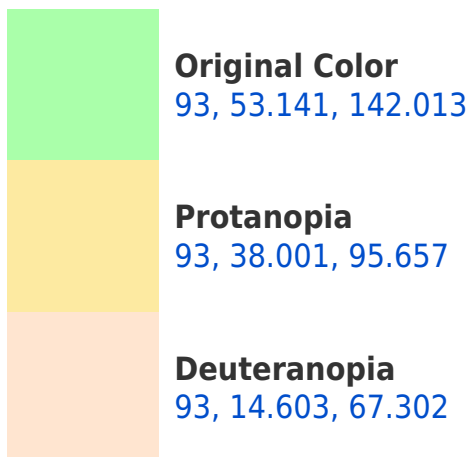


This preview shows how white text looks on a background with the CIELCh color 93, 53.141, 142.013.

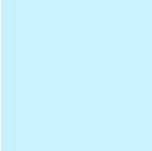
# Color Blindness Simulation

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





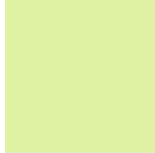


**Tritanopia**  
93, 14.545, 228.653

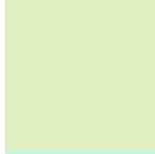
# Trichromacy



**Original Color**  
93, 53.141, 142.013



**Protanomaly**  
93, 40.212, 117.601



**Deuteranomaly**  
92, 23.179, 121.443

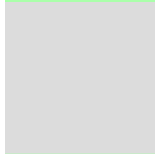


**Tritanomaly**  
93, 22.557, 167.696

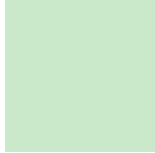
# Monochromacy



**Original Color**  
93, 53.141, 142.013



**Achromatopsia**  
88, 0.010, 296.813



**Achromatomaly**  
89, 19.714, 143.642

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 93, 53.141, 142.013 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(170, 255, 170)` looks like.

```
.text, #text, p{  
    color:rgb(170, 255, 170)  
}
```

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(170, 255, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 255, 170) }
```

## Border

The CSS property to change the border of an element to CIELCh 93, 53.141, 142.013 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(170, 255, 170) }
```

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

```
.border{ border-color:rgb(170, 255, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 255, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 255, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 255, 170); box-shadow:4px 4px 4px 4px rgb(170, 255, 170) }
```

# Background

The CSS property to change the background color of an element to CIELCh 93, 53.141, 142.013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 255, 170) }
```

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

```
.background{ background-color: rgb(170,  
255, 170) }
```

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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