

Converting Colors

CIELCh(93, 51.561, 145.925)

Have a look what the booklet for
CIELCh(93, 51.561, 145.925)
contains.

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Color

CIElCh(93, 51.061, 146.155)

Conversions

Conversions Part 1

Format	Color
Hex	A4FFB2
RGB	164, 255, 178
RGB Percent	64%, 100%, 70%
CMY	0.3552, 0.0000, 0.3004
CMYK	0.36, 0.00, 0.30, 0.00
HSL	129°, 100%, 82%
HSV	129°, 36%, 100%
XYZ	59.3731, 82.9670, 55.2195
YIQ	219.0130, -29.5190, -43.2390

Conversions

Conversions Part 2

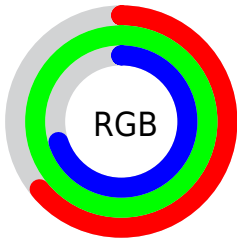
Format	Color
RYB	164, 243, 255
Decimal	10813362
CIELab	93.00, -42.41, 28.44
CIELCh	93, 51.061, 146.155
Yxy	82.9670, 0.3005, 0.4200
Android (android.graphics.Color)	4289003442 (0xFFA4FFB2)
YUV	219.0130, -20.2194, -48.2464
Hunter-Lab	91.0862, -43.0485, 27.8168

Details

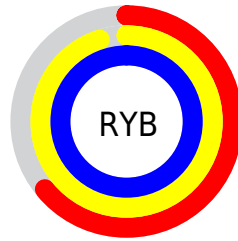
The CIELCh color **93, 51.061, 146.155** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **79, 50.887, 331.199**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 16.131, 156.803**, and **73, 51.203, 146.266** is the 20% darker color. If you saturate the color by 10%, you get **91, 64.504, 145.089**, and if you desaturate by 10%, it is **95, 36.627, 147.143**.

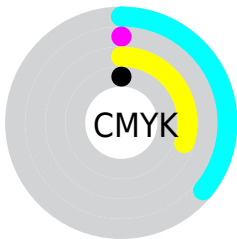
Distribution



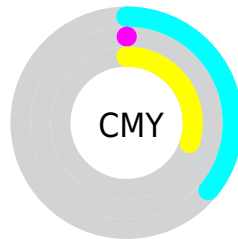
- Red (64%)
- Green (100%)
- Blue (70%)



- Red (64%)
- Yellow (95%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 51.061, 146.155 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, 51.061, 146.155 by changing the saturation by 10% instead.


 93, 51.061,
146.155


 93, 51.061,
146.155


 100, 51.061,
146.155


 83, 51.061,
146.155

 73, 51.061,
146.155

 63, 51.061,
146.155


 53, 51.061,
146.155

 43, 51.061,
146.155


 33, 51.061,
146.155


 23, 51.061,


146.155


 13, 51.061,
146.155


 3, 51.061, 146.155

 93, 51.061,
146.155


 93, 51.061,
146.155

 91, 64.504,
145.089


 95, 36.627,
147.143

 90, 77.394,
143.833

 97, 22.238,
147.964

 89, 89.119,
142.431

 99, 7.860, 148.691

 89, 99.310,
140.925

100, 0.012,
296.813

■ 88, 107.611,
139.394

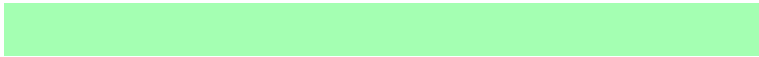
■ 88, 113.727,
137.962

■ 88, 115.762,
137.424

Harmonies

Complementary

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



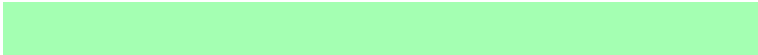
93, 51.061, 146.155



79, 50.887, 331.199

Rectangle

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



93, 51.061, 146.155



93, 51.061, 196.155



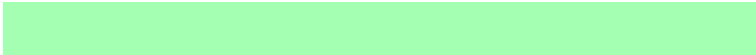
93, 51.061, 326.155



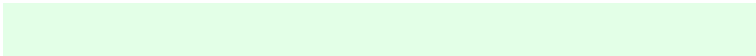
93, 51.061, 16.155

Sweetspot

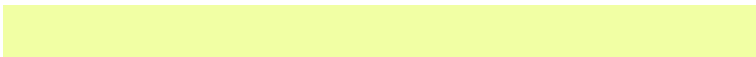
The Sweet Spot groups the original color and five complimentary colors.



93, 50.808, 146.190



97, 15.725, 148.299



97, 45.575, 113.384



52, 10.574, 148.201



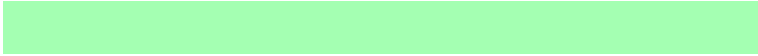
0, 0.000, 0.000



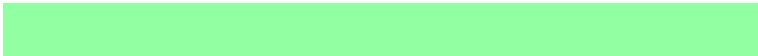
53, 0.007, 296.813

Same Dimension

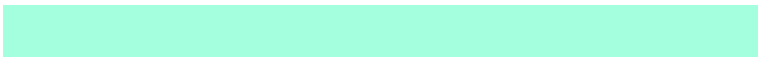
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 50.808, 146.190



92, 61.114, 145.382



94, 34.484, 168.942



52, 8.120, 148.407



68, 92.711, 137.661



23, 40.476, 139.882

Inverse Universe

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



79, 50.887, 331.199



75, 61.058, 331.685



77, 37.652, 356.649



50, 8.141, 329.536



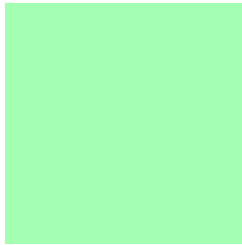
44, 82.477, 335.529



12, 38.492, 334.517

Previews

White Background



This preview shows how the CIE LCh color 93, 51.061, 146.155 looks on a white background.

Color Contrast Check

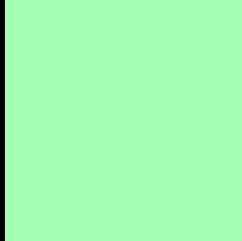
Large Text (above 18pt) WCAG AA × Fail

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, 51.061, 146.155 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, 51.061, 146.155

Background



This preview shows how black text looks on a background with the CIELCh color 93, 51.061, 146.155.

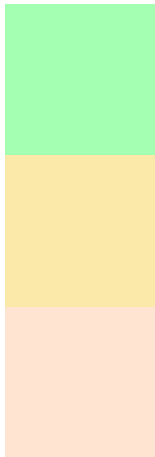


This preview shows how white text looks on a background with the CIELCh color 93, 51.061, 146.155.

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, 51.061, 146.155

Protanopia
92, 33.512, 95.270

Deuteranopia
93, 14.213, 65.993

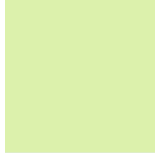


Tritanopia
93, 15.358, 226.881

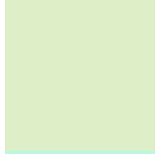
Trichromacy



Original Color
93, 51.061, 146.155



Protanomaly
92, 36.036, 120.302



Deuteranomaly
92, 21.404, 124.662

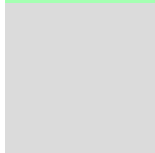


Tritanomaly
93, 22.852, 172.447

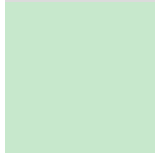
Monochromacy



Original Color
93, 51.061, 146.155



Achromatopsia
87, 0.010, 296.813



Achromatomaly
89, 18.905, 147.974

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 51.061, 146.155 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(164, 255, 178)` looks like.

```
.text, #text, p{  
    color:rgb(164, 255, 178)  
}
```

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(164, 255, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 51.061, 146.155 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(164, 255, 178) }
```

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

```
.border{ border-color:rgb(164, 255, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 255, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 178);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 51.061, 146.155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 255, 178) }
```

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

```
.background{ background-color: rgb(164,  
255, 178) }
```

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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