

Converting Colors

CIELCh(91, 51.416, 144.621)

Have a look what the booklet for
CIELCh(91, 51.416, 144.621)
contains.

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Color

CIELCh(91, 51.470, 144.633)

Conversions

Conversions Part 1

Format	Color
Hex	A1F9AA
RGB	161, 249, 170
RGB Percent	63%, 98%, 67%
CMY	0.3674, 0.0222, 0.3321
CMYK	0.35, 0.00, 0.32, 0.02
HSL	126°, 89%, 81%
HSV	126°, 35%, 98%
XYZ	56.0275, 78.4833, 50.3811
YIQ	213.6820, -27.0890, -43.2250

Conversions

Conversions Part 2

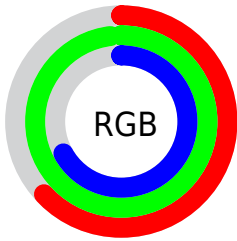
Format	Color
RYB	161, 241, 249
Decimal	10615210
CIELab	91.00, -41.97, 29.79
CIELCh	91, 51.470, 144.633
Yxy	78.4833, 0.3030, 0.4245
Android (android.graphics.Color)	4288805290 (0xFFA1F9AA)
YUV	213.6820, -21.5352, -46.2021
Hunter-Lab	88.5908, -42.1451, 28.2957

Details

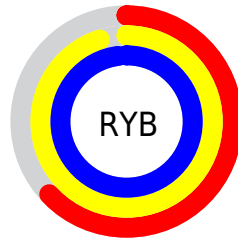
The CIELCh color **91, 51.470, 144.633** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **77, 51.472, 329.417**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 19.870, 150.117**, and **71, 51.465, 144.456** is the 20% darker color. If you saturate the color by 10%, you get **90, 65.426, 143.564**, and if you desaturate by 10%, it is **93, 37.012, 145.561**.

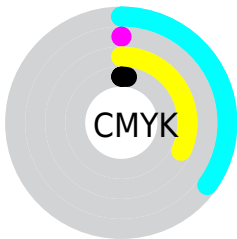
Distribution



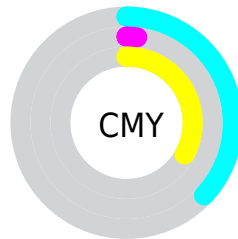
- Red (63%)
- Green (98%)
- Blue (67%)



- Red (63%)
- Yellow (95%)
- Blue (98%)



- Cyan (35%)
- Magenta (0%)
- Yellow (32%)
- Black (2%)





- Cyan (37%)
- Magenta (2%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 51.470, 144.633 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 91, 51.470, 144.633 by changing the saturation by 10% instead.


 91, 51.470,
144.633


 91, 51.470,
144.633


 100, 51.470,
144.633


 81, 51.470,
144.633


 71, 51.470,
144.633

 61, 51.470,
144.633

 51, 51.470,
144.633

 41, 51.470,
144.633

 31, 51.470,
144.633

 21, 51.470,

144.633

■ 11, 51.470,
144.633

■ 1, 51.470, 144.633

■ 91, 51.470,
144.633

■ 91, 51.470,
144.633

■ 90, 65.426,
143.564

■ 93, 37.012,
145.561

■ 88, 78.522,
142.354

■ 95, 22.340,
146.359

■ 87, 90.355,
141.027

■ 97, 7.687, 147.064

■ 87, 100.487,
139.643

■ 99, 3.524, 324.477

■ 86, 108.478,
138.305

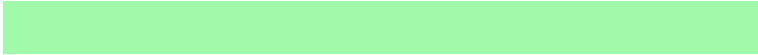
■ 86, 113.968,
137.150

■ 86, 115.692,
136.745

Harmonies

Complementary

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



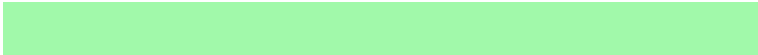
91, 51.470, 144.633



77, 51.472, 329.417

Rectangle

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



91, 51.470, 144.633



91, 51.470, 194.633



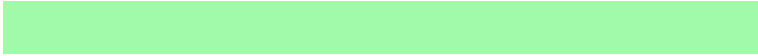
91, 51.470, 324.633



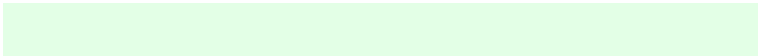
91, 51.470, 14.633

Sweetspot

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



91, 51.472, 144.633



97, 16.320, 146.668



96, 44.304, 111.210



52, 10.975, 146.572



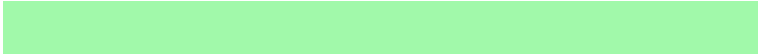
0, 0.000, 0.000



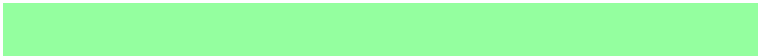
53, 0.007, 296.813

Same Dimension

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



91, 51.472, 144.633



92, 62.013, 143.927



92, 35.013, 165.833



51, 8.289, 146.774



67, 93.443, 136.919



21, 40.318, 139.013

Inverse Universe

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



77, 51.472, 329.417



75, 61.880, 329.815



76, 37.564, 353.265



49, 8.305, 327.867



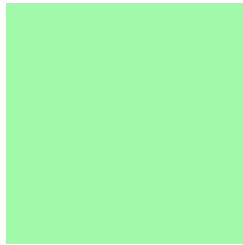
44, 85.050, 332.775



11, 38.871, 332.145

Previews

White Background



This preview shows how the CIE LCh color 91, 51.470, 144.633 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 91, 51.470, 144.633 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

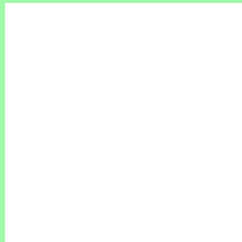
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 51.470, 144.633

Background



This preview shows how black text looks on a background with the CIELCh color 91, 51.470, 144.633.

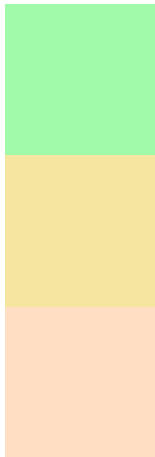


This preview shows how white text looks on a background with the CIELCh color 91, 51.470, 144.633.

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
91, 51.470, 144.633

Protanopia
91, 35.127, 95.548

Deuteranopia
91, 18.541, 66.089

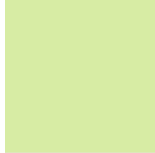


Tritanopia
91, 19.357, 227.474

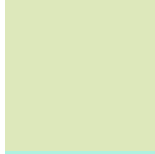
Trichromacy



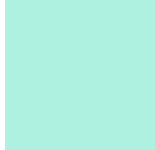
Original Color
91, 51.470, 144.633



Protanomaly
90, 37.628, 119.683



Deuteranomaly
90, 23.543, 118.466

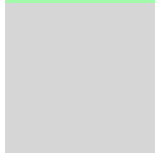


Tritanomaly
91, 24.137, 176.313

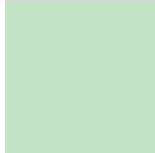
Monochromacy



Original Color
91, 51.470, 144.633



Achromatopsia
86, 0.010, 296.813



Achromatomaly
87, 19.177, 146.202

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 51.470, 144.633 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(161, 249, 170)` looks like.

```
.text, #text, p{  
    color:rgb(161, 249, 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(161, 249, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 249, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 51.470, 144.633 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(161, 249, 170) }
```

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

```
.border{ border-color:rgb(161, 249, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 249, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 249, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 249, 170);  
box-shadow:4px 4px 4px 4px rgb(161, 249,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 51.470, 144.633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 249, 170) }
```

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

```
.background{ background-color: rgb(161,  
249, 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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