

Converting Colors

CIELCh(96, 73.513, 145.316)

Have a look what the booklet for
CIELCh(96, 73.513, 145.316)
contains.

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Color

CIELCh(91, 64.563, 146.521)

Conversions

Conversions Part 1

Format	Color
Hex	85FE9E
RGB	133, 254, 158
RGB Percent	52%, 100%, 62%
CMY	0.4777, 0.0032, 0.3794
CMYK	0.48, 0.00, 0.38, 0.00
HSL	132°, 99%, 76%
HSV	132°, 48%, 100%
XYZ	51.3984, 78.4833, 44.9027
YIQ	206.8770, -41.3000, -55.5080

Conversions

Conversions Part 2

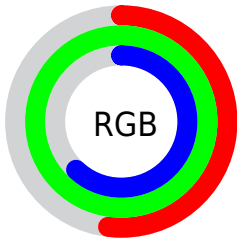
Format	Color
RYB	133, 233, 254
Decimal	8781470
CIELab	91.00, -53.85, 35.61
CIElCh	91, 64.563, 146.521
Yxy	78.4833, 0.2941, 0.4490
Android (android.graphics.Color)	4286971550 (0xFF85FE9E)
YUV	206.8770, -24.0964, -64.7901
Hunter-Lab	88.5908, -51.4722, 31.9621

Details

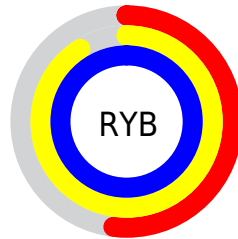
The CIELCh color **91, 64.563, 146.521** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **72, 64.533, 334.009**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 31.033, 153.674**, and **71, 64.631, 146.478** is the 20% darker color. If you saturate the color by 10%, you get **90, 76.778, 145.192**, and if you desaturate by 10%, it is **92, 51.543, 147.683**.

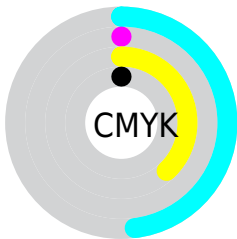
Distribution



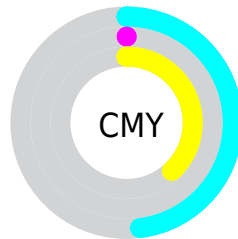
- Red (52%)
- Green (100%)
- Blue (62%)



- Red (52%)
- Yellow (91%)
- Blue (100%)



- Cyan (48%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (48%)
- Magenta (0%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 64.563, 146.521 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, 64.563, 146.521 by changing the saturation by 10% instead.


 91, 64.563,
146.521


 91, 64.563,
146.521


 100, 64.563,
146.521


 81, 64.563,
146.521

 71, 64.563,
146.521

 61, 64.563,
146.521

 51, 64.563,
146.521

 41, 64.563,
146.521

 31, 64.563,
146.521

 21, 64.563,

146.521

■ 11, 64.563,
146.521

■ 1, 64.563, 146.521

■ 91, 64.563,
146.521

■ 91, 64.563,
146.521

■ 90, 76.778,
145.192

■ 92, 51.543,
147.683

■ 89, 87.872,
143.699

■ 94, 38.011,
148.688

■ 88, 97.545,
142.072

■ 96, 24.229,
149.556

■ 88, 105.531,
140.377

■ 98, 10.412,
150.319

■ 88, 111.639,
138.734

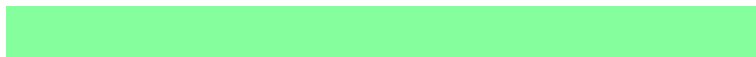
100, 0.510,
323.852

■ 88, 112.852,
138.389

Harmonies

Complementary

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



91, 64.563, 146.521



72, 64.533, 334.009

Rectangle

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



91, 64.563, 146.521



91, 64.563, 196.521



91, 64.563, 326.521



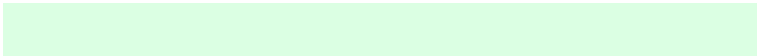
91, 64.563, 16.521

Sweetspot

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



91, 64.564, 146.521



97, 19.295, 149.841



96, 60.373, 114.777



51, 13.332, 149.672



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, 64.564, 146.521



90, 76.265, 145.275



92, 43.037, 170.803



52, 7.817, 150.179



68, 90.494, 138.676



23, 39.274, 141.169

Inverse Universe

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



72, 64.533, 334.009



68, 75.580, 334.724



70, 49.715, 2.298



50, 7.843, 331.351



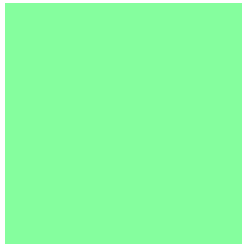
43, 79.259, 338.626



11, 37.148, 337.120

Previews

White Background



This preview shows how the CIE LCh color 91, 64.563, 146.521 looks on a white background.

Color Contrast Check

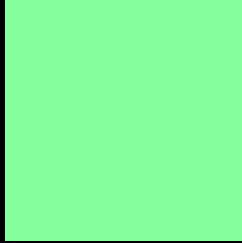
Large Text (above 18pt) WCAG AA × Fail

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, 64.563, 146.521 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

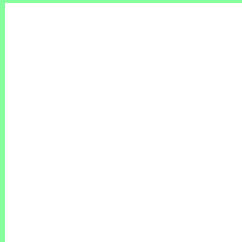
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 64.563, 146.521

Background



This preview shows how black text looks on a background with the CIELCh color 91, 64.563, 146.521.

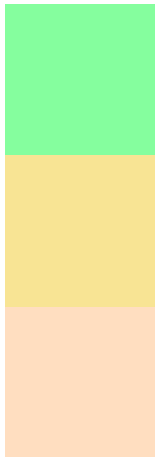


This preview shows how white text looks on a background with the CIELCh color 91, 64.563, 146.521.

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, 64.595, 146.499

Protanopia
91, 41.684, 95.592

Deuteranopia
90, 20.159, 69.790



Tritanopia
91, 21.855, 220.698

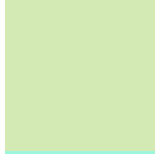
Trichromacy



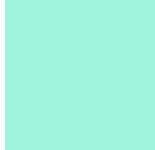
Original Color
91, 64.595, 146.499



Protanomaly
90, 45.398, 122.576



Deuteranomaly
90, 29.119, 125.307

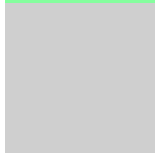


Tritanomaly
91, 31.577, 173.042

Monochromacy



Original Color
91, 64.595, 146.499



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 24.459, 149.311

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 64.563, 146.521 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(133, 254, 158)` looks like.

```
.text, #text, p{  
    color:rgb(133, 254, 158)  
}
```

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(133, 254, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 254, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 64.563, 146.521 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(133, 254, 158) }
```

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

```
.border{ border-color:rgb(133, 254, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 254, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 254, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 254, 158);  
box-shadow:4px 4px 4px 4px rgb(133, 254,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 64.563, 146.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 254, 158) }
```

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

```
.background{ background-color: rgb(133,  
254, 158) }
```

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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