

Converting Colors

CIELCh(97, 90.341, 138.380)

Have a look what the booklet for
CIELCh(97, 90.341, 138.380)
contains.

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Color

CIELCh(91, 79.474, 138.567)

Conversions

Conversions Part 1

Format	Color
Hex	85FF7B
RGB	133, 255, 123
RGB Percent	52%, 100%, 48%
CMY	0.4789, 0.0000, 0.5184
CMYK	0.48, 0.00, 0.52, 0.00
HSL	115°, 100%, 74%
HSV	115°, 52%, 100%
XYZ	49.2588, 78.4833, 31.2262
YIQ	203.4740, -30.3400, -66.9160

Conversions

Conversions Part 2

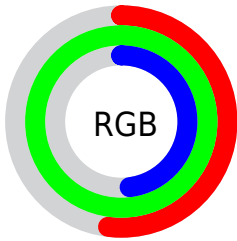
Format	Color
RYB	123, 255, 245
Decimal	8781691
CIELab	91.00, -59.58, 52.59
CIElCh	91, 79.474, 138.567
Yxy	78.4833, 0.3099, 0.4937
Android (android.graphics.Color)	4286971771 (0xFF85FF7B)
YUV	203.4740, -39.6737, -61.8057
Hunter-Lab	88.5908, -55.7833, 41.1152

Details

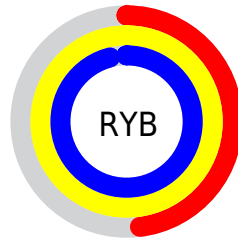
The CIELCh color **91, 79.474, 138.567** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **70, 79.152, 324.818**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 45.319, 137.341**, and **71, 78.644, 138.628** is the 20% darker color. If you saturate the color by 10%, you get **90, 92.034, 137.637**, and if you desaturate by 10%, it is **92, 64.702, 139.490**.

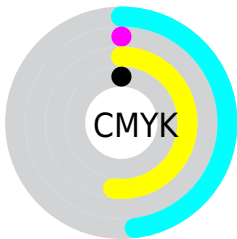
Distribution



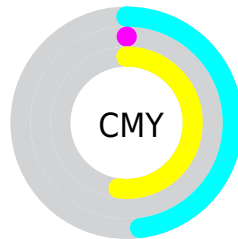
- Red (52%)
- Green (100%)
- Blue (48%)



- Red (48%)
- Yellow (100%)
- Blue (96%)



- Cyan (48%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)





- Cyan (48%)
- Magenta (0%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 79.474, 138.567 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, 79.474, 138.567 by changing the saturation by 10% instead.


 91, 79.474,
138.567


 91, 79.474,
138.567


 100, 79.474,
138.567


 81, 79.474,
138.567

 71, 79.474,
138.567

 61, 79.474,
138.567

 51, 79.474,
138.567

 41, 79.474,
138.567

 31, 79.474,
138.567

 21, 79.474,

138.567

■ 11, 79.474,
138.567

■ 1, 79.474, 138.567

■ 91, 79.474,
138.567

■ 91, 79.474,
138.567

■ 90, 92.034,
137.637

■ 92, 64.702,
139.490

■ 89, 103.149,
136.776

■ 94, 49.588,
140.335

■ 88, 111.691,
136.125

■ 95, 34.056,
141.086

■ 88, 117.122,
135.813

■ 97, 18.400,
141.742

■ 88, 119.382,
135.776

■ 100, 2.833,
142.384

100, 0.012,
296.813

Harmonies

Complementary

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



91, 79.474, 138.567



70, 79.152, 324.818

Rectangle

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



91, 79.474, 138.567



91, 79.474, 188.567



91, 79.474, 318.567



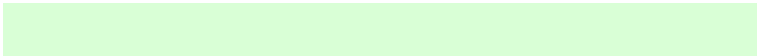
91, 79.474, 8.567

Sweetspot

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



91, 79.015, 138.573



96, 24.910, 141.480



95, 60.094, 101.129



51, 16.830, 141.345



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, 79.015, 138.573



90, 92.227, 137.622



91, 59.321, 154.030



52, 8.822, 141.884



68, 96.057, 135.700



23, 43.206, 135.723

Inverse Universe

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



70, 79.152, 324.818



66, 91.966, 325.141



69, 61.072, 344.447



50, 8.847, 322.835



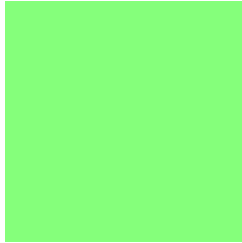
43, 93.513, 325.250



11, 42.989, 325.603

Previews

White Background



This preview shows how the CIE LCh color 91, 79.474, 138.567 looks on a white background.

Color Contrast Check

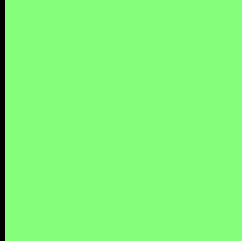
Large Text (above 18pt) WCAG AA × Fail

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, 79.474, 138.567 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

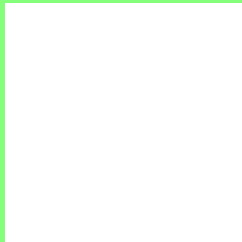
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 79.474, 138.567

Background



This preview shows how black text looks on a background with the CIELCh color 91, 79.474, 138.567.

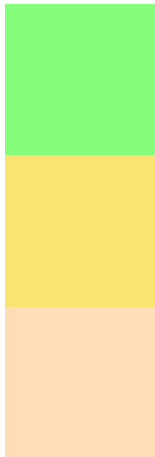


This preview shows how white text looks on a background with the CIELCh color 91, 79.474, 138.567.

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, 78.922, 138.592

Protanopia

90, 58.085, 95.465

Deuteranopia

90, 23.854, 74.728

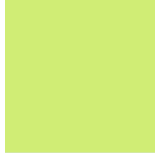


Tritanopia
90, 22.258, 221.741

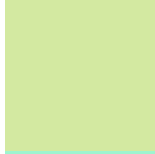
Trichromacy



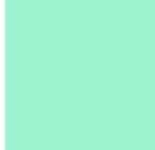
Original Color
91, 78.922, 138.592



Protanomaly
90, 60.770, 116.451



Deuteranomaly
89, 37.802, 120.222

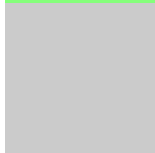


Tritanomaly
90, 35.194, 164.057

Monochromacy



Original Color
91, 78.922, 138.592



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 30.059, 140.930

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 79.474, 138.567 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, 255, 123)` looks like.

```
.text, #text, p{  
    color:rgb(133, 255, 123)  
}
```

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, 255, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 255, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 79.474, 138.567 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, 255, 123) }
```

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

```
.border{ border-color:rgb(133, 255, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 255, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 255, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 255, 123);  
box-shadow:4px 4px 4px 4px rgb(133, 255,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 79.474, 138.567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 255, 123) }
```

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

```
.background{ background-color: rgb(133,  
255, 123) }
```

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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