

Converting Colors

CIELCh(100, 90.449, 139.315)

Have a look what the booklet for
CIELCh(100, 90.449, 139.315)
contains.

CIELCh(91, 74.342, 139.871)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(91, 74.342, 139.871)

Conversions

Conversions Part 1

Format	Color
Hex	89FF85
RGB	137, 255, 133
RGB Percent	54%, 100%, 52%
CMY	0.4630, 0.0002, 0.4787
CMYK	0.46, 0.00, 0.48, 0.00
HSL	118°, 100%, 76%
HSV	118°, 48%, 100%
XYZ	50.2748, 78.4833, 34.6675
YIQ	205.8100, -31.1660, -62.9580

Conversions

Conversions Part 2

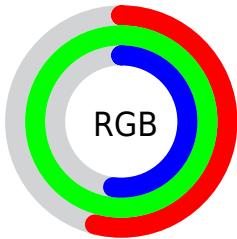
Format	Color
RYB	133, 255, 251
Decimal	9043845
CIELab	91.00, -56.84, 47.91
CIELCh	91, 74.342, 139.871
Yxy	78.4833, 0.3076, 0.4802
Android (android.graphics.Color)	4287233925 (0xFF89FF85)
YUV	205.8100, -35.8953, -60.3464
Hunter-Lab	88.5908, -53.7362, 38.8121

Details

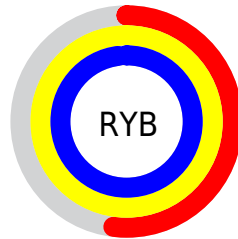
The CIELCh color **91, 74.342, 139.871** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **73, 74.216, 325.985**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 40.410, 139.648**, and **71, 74.321, 139.881** is the 20% darker color. If you saturate the color by 10%, you get **90, 87.992, 138.825**, and if you desaturate by 10%, it is **92, 59.532, 140.849**.

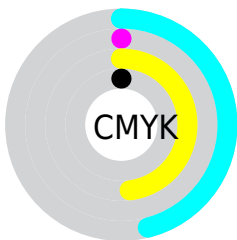
Distribution



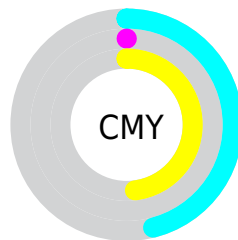
- Red (54%)
- Green (100%)
- Blue (52%)



- Red (52%)
- Yellow (100%)
- Blue (98%)



- Cyan (46%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (46%)
- Magenta (0%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 74.342, 139.871 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, 74.342, 139.871 by changing the saturation by 10% instead.


 91, 74.342,
139.871


 91, 74.342,
139.871


 100, 74.342,
139.871


 81, 74.342,
139.871

 71, 74.342,
139.871

 61, 74.342,
139.871


 51, 74.342,
139.871

 41, 74.342,
139.871


 31, 74.342,
139.871


 21, 74.342,


139.871


 11, 74.342,
139.871


 1, 74.342, 139.871

 91, 74.342,
139.871


 91, 74.342,
139.871

 90, 87.992,
138.825


 92, 59.532,
140.849


 89, 99.899,
137.787

 94, 44.029,
141.724

 88, 109.403,
136.880

 96, 28.206,
142.487

 88, 115.895,
136.251

 98, 12.341,
143.151

■ 88, 119.166,
135.980

100, 0.048,
317.950

■ 88, 119.607,
135.925

Harmonies

Complementary

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



91, 74.342, 139.871



73, 74.216, 325.985

Rectangle

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



91, 74.342, 139.871



91, 74.342, 189.871



91, 74.342, 319.871



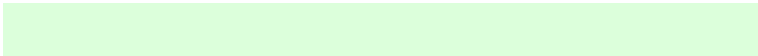
91, 74.342, 9.871

Sweetspot

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



91, 74.343, 139.871



97, 22.089, 142.753



97, 58.262, 104.047



51, 15.264, 142.606



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

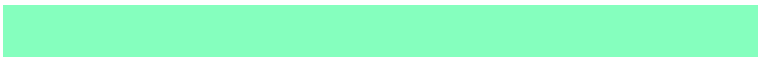
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 74.343, 139.871



90, 86.903, 138.916



92, 52.865, 156.934



52, 8.947, 143.046



68, 96.302, 135.886



22, 43.555, 136.325

Inverse Universe

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



73, 74.216, 325.985



69, 86.404, 326.344



71, 55.186, 346.779



50, 8.965, 324.052



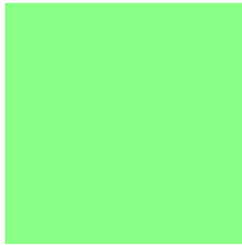
44, 93.228, 326.941



12, 42.880, 327.095

Previews

White Background



This preview shows how the CIE LCh color 91, 74.342, 139.871 looks on a white background.

Color Contrast Check

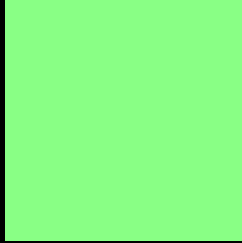
Large Text (above 18pt) WCAG AA × Fail

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, 74.342, 139.871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

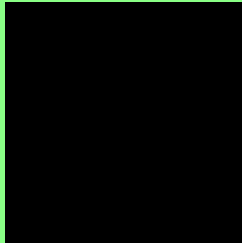
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

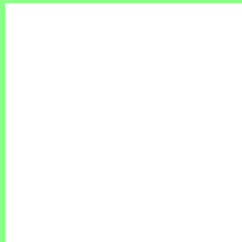
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 74.342, 139.871

Background



This preview shows how black text looks on a background with the CIELCh color 91, 74.342, 139.871.

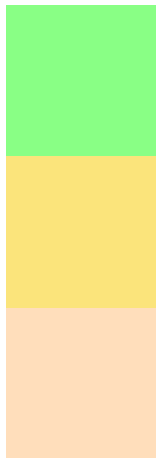


This preview shows how white text looks on a background with the CIELCh color 91, 74.342, 139.871.

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, 74.342, 139.871

Protanopia
91, 53.856, 95.579

Deuteranopia
90, 22.286, 73.599

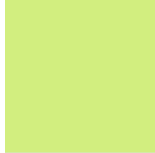


Tritanopia
91, 21.334, 221.305

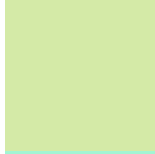
Trichromacy



Original Color
91, 74.342, 139.871



Protanomaly
90, 56.619, 117.116



Deuteranomaly
90, 35.341, 121.262

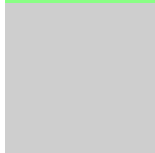


Tritanomaly
91, 33.453, 165.429

Monochromacy



Original Color
91, 74.342, 139.871



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 28.483, 142.040

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 74.342, 139.871 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(137, 255, 133)` looks like.

```
.text, #text, p{  
    color:rgb(137, 255, 133)  
}
```

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(137, 255, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 255, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 74.342, 139.871 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(137, 255, 133) }
```

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

```
.border{ border-color:rgb(137, 255, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 255, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 255, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 255, 133);  
box-shadow:4px 4px 4px 4px rgb(137, 255,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 74.342, 139.871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 255, 133) }
```

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

```
.background{ background-color: rgb(137,  
255, 133) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor