

Converting Colors

CIELCh(100, 99.870, 137.875)

Have a look what the booklet for
CIELCh(100, 99.870, 137.875)
contains.

CIELCh(90, 83.486, 138.070)	3
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Color

CIELCh(90, 83.486, 138.070)

Conversions

Conversions Part 1

Format	Color
Hex	7DFE71
RGB	125, 254, 113
RGB Percent	49%, 100%, 44%
CMY	0.5107, 0.0046, 0.5572
CMYK	0.51, 0.00, 0.56, 0.00
HSL	115°, 98%, 72%
HSV	115°, 56%, 100%
XYZ	46.7858, 76.3034, 27.8604
YIQ	199.3550, -31.6230, -71.1990

Conversions

Conversions Part 2

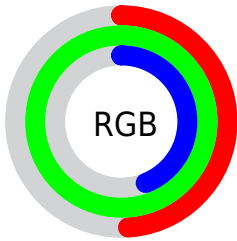
Format	Color
RYB	113, 254, 242
Decimal	8257137
CIELab	90.00, -62.11, 55.79
CIElCh	90, 83.486, 138.070
Yxy	76.3034, 0.3099, 0.5055
Android (android.graphics.Color)	4286447217 (0xFF7DFE71)
YUV	199.3550, -42.5730, -65.2093
Hunter-Lab	87.3518, -57.2606, 42.2360

Details

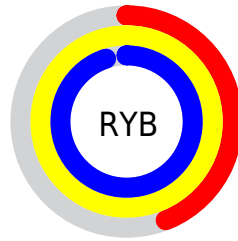
The CIELCh color **90, 83.486, 138.070** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **68, 83.605, 324.703**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 51.127, 137.068**, and **70, 83.343, 138.149** is the 20% darker color. If you saturate the color by 10%, you get **89, 95.840, 137.170**, and if you desaturate by 10%, it is **91, 69.651, 138.985**.

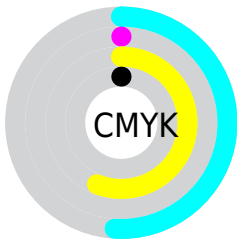
Distribution



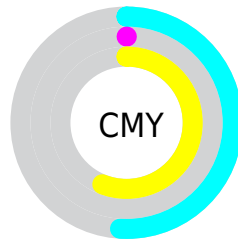
- Red (49%)
- Green (100%)
- Blue (44%)



- Red (44%)
- Yellow (100%)
- Blue (95%)



- Cyan (51%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)





- Cyan (51%)
- Magenta (0%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 83.486, 138.070 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 90, 83.486, 138.070 by changing the saturation by 10% instead.


 90, 83.486,
138.070


 90, 83.486,
138.070


 100, 83.486,
138.070


 80, 83.486,
138.070


 70, 83.486,
138.070

 60, 83.486,
138.070

 50, 83.486,
138.070

 40, 83.486,
138.070

 30, 83.486,
138.070

 20, 83.486,

138.070

■ 10, 83.486,
138.070

■ 0, 83.486, 138.070

■ 90, 83.486,
138.070

■ 90, 83.486,
138.070

■ 89, 95.840,
137.170

■ 91, 69.651,
138.985

■ 88, 106.071,
136.395

■ 93, 54.862,
139.846

■ 88, 113.527,
135.886

■ 94, 39.537,
140.621

■ 88, 117.806,
135.745

■ 96, 23.995,
141.303

■ 87, 118.905,
135.739

■ 98, 8.473, 141.907
100, 0.738,
324.048

Harmonies

Complementary

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



90, 83.486, 138.070



68, 83.605, 324.703

Rectangle

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



90, 83.486, 138.070



90, 83.486, 188.070



90, 83.486, 318.070



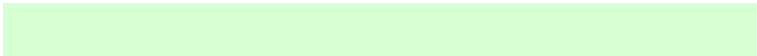
90, 83.486, 8.070

Sweetspot

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



90, 83.487, 138.071



96, 26.410, 141.207



94, 62.829, 99.840



51, 17.675, 141.074



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 83.487, 138.071



89, 97.873, 137.042



90, 63.720, 152.755



52, 8.799, 141.671



68, 96.003, 135.659



23, 43.144, 135.615

Inverse Universe

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



68, 83.605, 324.703



64, 97.416, 325.009



67, 65.196, 343.999



50, 8.826, 322.613



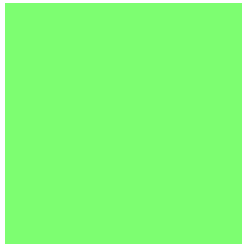
43, 93.575, 324.950



11, 43.012, 325.338

Previews

White Background



This preview shows how the CIE LCh color 90, 83.486, 138.070 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 90, 83.486, 138.070 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

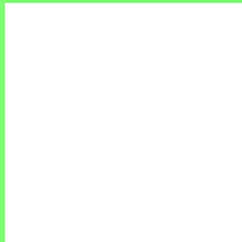
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 83.486, 138.070

Background



This preview shows how black text looks on a background with the CIELCh color 90, 83.486, 138.070.

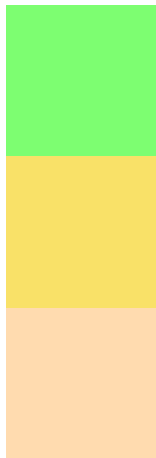


This preview shows how white text looks on a background with the CIELCh color 90, 83.486, 138.070.

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

90, 83.511, 138.051

Protanopia

89, 61.250, 95.616

Deuteranopia

89, 27.026, 76.523

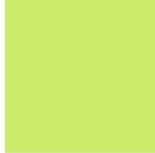


Tritanopia
90, 24.411, 220.802

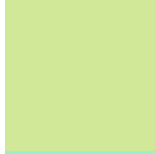
Trichromacy



Original Color
90, 83.511, 138.051



Protanomaly
89, 64.472, 116.291



Deuteranomaly
89, 41.891, 119.792

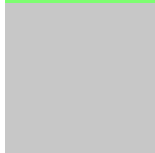


Tritanomaly
89, 38.153, 163.908

Monochromacy



Original Color
90, 83.511, 138.051



Achromatopsia
80, 0.010, 296.813



Achromatomaly
83, 32.076, 140.943

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 83.486, 138.070 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(125, 254, 113)` looks like.

```
.text, #text, p{  
    color:rgb(125, 254, 113)  
}
```

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(125, 254, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 254, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 83.486, 138.070 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(125, 254, 113) }
```

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

```
.border{ border-color:rgb(125, 254, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 254, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 254, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 254, 113);  
box-shadow:4px 4px 4px 4px rgb(125, 254,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 83.486, 138.070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 254, 113) }
```

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

```
.background{ background-color: rgb(125,  
254, 113) }
```

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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