

Converting Colors

CIELCh(91, 85.159, 135.579)

Have a look what the booklet for
CIELCh(91, 85.159, 135.579)
contains.

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Color

CIELCh(91, 84.631, 135.576)

Conversions

Conversions Part 1

Format	Color
Hex	88FF6C
RGB	136, 255, 108
RGB Percent	53%, 100%, 42%
CMY	0.4666, 0.0000, 0.5767
CMYK	0.47, 0.00, 0.58, 0.00
HSL	109°, 100%, 71%
HSV	109°, 58%, 100%
XYZ	48.9439, 78.4833, 26.7389
YIQ	202.6610, -23.7370, -70.9450

Conversions

Conversions Part 2

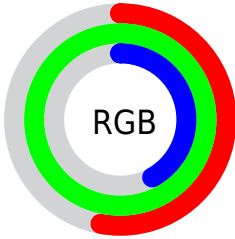
Format	Color
RYB	108, 255, 227
Decimal	8978284
CIELab	91.00, -60.44, 59.24
CIELCh	91, 84.631, 135.576
Yxy	78.4833, 0.3175, 0.5091
Android (android.graphics.Color)	4287168364 (0xFF88FF6C)
YUV	202.6610, -46.6679, -58.4617
Hunter-Lab	88.5908, -56.4178, 44.1184

Details

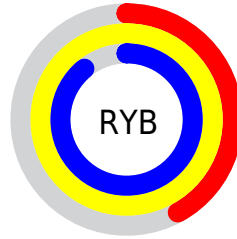
The CIELCh color **91, 84.631, 135.576** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **65, 85.643, 321.445**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 51.398, 132.128**, and **71, 84.074, 135.476** is the 20% darker color. If you saturate the color by 10%, you get **90, 96.077, 134.954**, and if you desaturate by 10%, it is **92, 70.726, 136.250**.

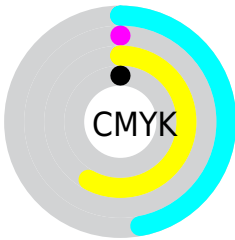
Distribution



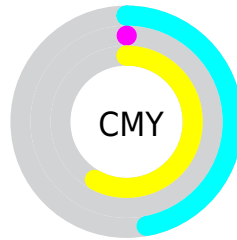
- Red (53%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (89%)



- Cyan (47%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 84.631, 135.576 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, 84.631, 135.576 by changing the saturation by 10% instead.


 91, 84.631,
135.576


 91, 84.631,
135.576


 100, 84.631,
135.576


 81, 84.631,
135.576

 71, 84.631,
135.576

 61, 84.631,
135.576

 51, 84.631,
135.576

 41, 84.631,
135.576

 31, 84.631,
135.576

 21, 84.631,

135.576

■ 11, 84.631,
135.576

■ 1, 84.631, 135.576

■ 91, 84.631,
135.576

■ 91, 84.631,
135.576

■ 90, 96.077,
134.954

■ 92, 70.726,
136.250

■ 89, 105.968,
134.558

■ 93, 56.422,
136.949

■ 88, 113.153,
134.503

■ 95, 41.596,
137.608

■ 88, 117.334,
134.846

■ 96, 26.541,
138.207

■ 88, 118.032,
134.931

■ 98, 11.467,
138.746

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, 84.631, 135.576



65, 85.643, 321.445

Rectangle

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



91, 84.631, 135.576



91, 84.631, 185.576



91, 84.631, 315.576



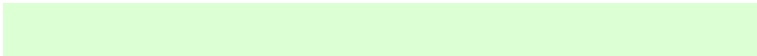
91, 84.631, 5.576

Sweetspot

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



91, 84.117, 135.558



97, 25.529, 138.245



90, 60.244, 93.403



51, 17.085, 138.131



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, 84.117, 135.558



90, 97.526, 134.886



90, 71.783, 148.401



52, 8.509, 138.650



68, 94.877, 134.779



23, 42.324, 134.108

Inverse Universe

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



65, 85.643, 321.445



60, 99.028, 321.638



67, 71.809, 339.006



50, 8.555, 319.489



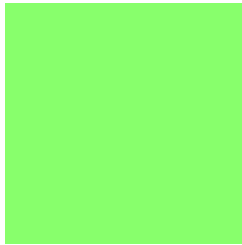
39, 94.739, 321.006



10, 43.448, 321.828

Previews

White Background



This preview shows how the CIE LCh color 91, 84.631, 135.576 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, 84.631, 135.576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

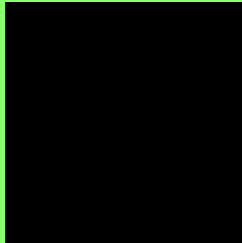
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

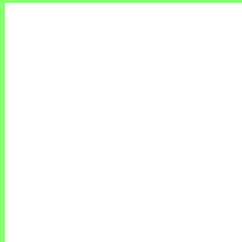
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 84.631, 135.576

Background



This preview shows how black text looks on a background with the CIELCh color 91, 84.631, 135.576.

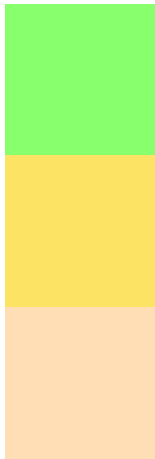


This preview shows how white text looks on a background with the CIELCh color 91, 84.631, 135.576.

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, 84.100, 135.572

Protanopia
90, 64.305, 95.454

Deuteranopia
90, 24.741, 75.904

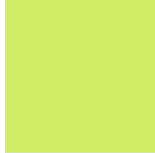


Tritanopia
90, 21.745, 222.358

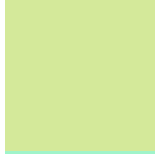
Trichromacy



Original Color
91, 84.100, 135.572



Protanomaly
90, 67.077, 114.291

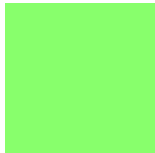


Deuteranomaly
89, 41.112, 118.424

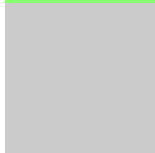


Tritanomaly
90, 36.394, 160.333

Monochromacy



Original Color
91, 84.100, 135.572



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 32.554, 137.465

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 84.631, 135.576 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(136, 255, 108)` looks like.

```
.text, #text, p{  
    color:rgb(136, 255, 108)  
}
```

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(136, 255, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 255, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 84.631, 135.576 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(136, 255, 108) }
```

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

```
.border{ border-color:rgb(136, 255, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 255, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 255, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 255, 108);  
box-shadow:4px 4px 4px 4px rgb(136, 255,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 84.631, 135.576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 255, 108) }
```

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

```
.background{ background-color: rgb(136,  
255, 108) }
```

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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