

Converting Colors

CIELCh(89, 83.856, 142.184)

Have a look what the booklet for
CIELCh(89, 83.856, 142.184)
contains.

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Color

CIELCh(89, 83.918, 142.251)

Conversions

Conversions Part 1

Format	Color
Hex	66FD78
RGB	102, 253, 120
RGB Percent	40%, 99%, 47%
CMY	0.6016, 0.0093, 0.5307
CMYK	0.60, 0.00, 0.53, 0.01
HSL	127°, 97%, 69%
HSV	127°, 60%, 99%
XYZ	43.8101, 74.1641, 29.6677
YIQ	192.6890, -47.3030, -73.3750

Conversions

Conversions Part 2

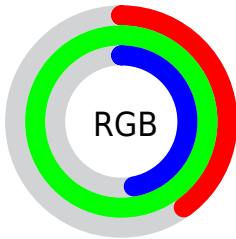
Format	Color
RYB	102, 237, 253
Decimal	6749560
CIELab	89.00, -66.35, 51.37
CIELCh	89, 83.918, 142.251
Yxy	74.1641, 0.2967, 0.5023
Android (android.graphics.Color)	4284939640 (0xFF66FD78)
YUV	192.6890, -35.8357, -79.5343
Hunter-Lab	86.1186, -59.9014, 39.8577

Details

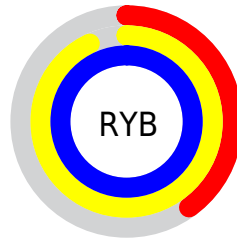
The CIELCh color **89, 83.918, 142.251** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **67, 82.625, 331.459**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 52.077, 144.893**, and **69, 83.808, 142.291** is the 20% darker color. If you saturate the color by 10%, you get **88, 95.097, 140.856**, and if you desaturate by 10%, it is **90, 71.325, 143.538**.

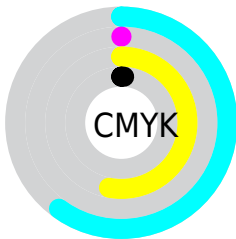
Distribution



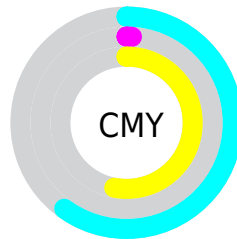
- Red (40%)
- Green (99%)
- Blue (47%)



- Red (40%)
- Yellow (93%)
- Blue (99%)



- Cyan (60%)
- Magenta (0%)
- Yellow (53%)
- Black (1%)



- Cyan (60%)
- Magenta (1%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 83.918, 142.251 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 89, 83.918, 142.251 by changing the saturation by 10% instead.

■ 89, 83.918,
142.251

■ 89, 83.918,
142.251

■ 100, 83.918,
142.251

■ 79, 83.918,
142.251

■ 69, 83.918,
142.251

■ 59, 83.918,
142.251

■ 49, 83.918,
142.251

■ 39, 83.918,
142.251


■ 29, 83.918,
142.251


■ 19, 83.918,


142.251


 9, 83.918, 142.251


 0, 83.918, 142.251

 89, 83.918,
142.251


 89, 83.918,
142.251

 88, 95.097,
140.856


 90, 71.325,
143.538


 88, 104.440,
139.423


 91, 57.719,
144.684


 87, 111.555,
138.066

 93, 43.467,
145.682

 87, 116.217,
136.959

 95, 28.885,
146.543

 87, 116.292,

 97, 14.226,

136.942

147.288

99, 0.315, 326.802

99, 1.478, 324.284

Harmonies

Complementary

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



89, 83.918, 142.251



67, 82.625, 331.459

Rectangle

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



89, 83.918, 142.251



89, 83.918, 192.251



89, 83.918, 322.251



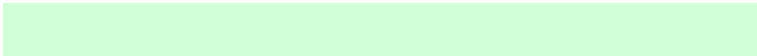
89, 83.918, 12.251

Sweetspot

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



89, 83.919, 142.251



96, 26.461, 146.683



95, 72.871, 110.259



51, 18.400, 146.452



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 83.919, 142.251



89, 98.062, 140.534



90, 55.764, 163.436



52, 8.323, 147.308



68, 93.895, 137.133



22, 41.217, 139.137

Inverse Universe

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



67, 82.625, 331.459



63, 94.687, 332.161



64, 62.668, 358.865



50, 8.342, 328.413



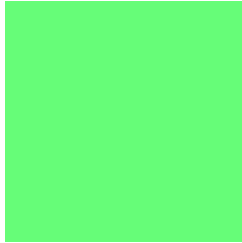
44, 84.729, 333.667



12, 39.420, 332.936

Previews

White Background



This preview shows how the CIE LCh color 89, 83.918, 142.251 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 89, 83.918, 142.251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

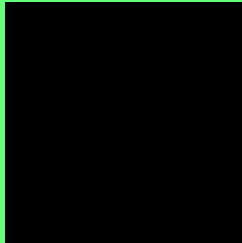
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 83.918, 142.251

Background



This preview shows how black text looks on a background with the CIELCh color 89, 83.918, 142.251.

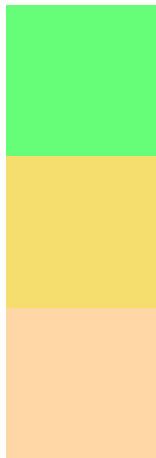


This preview shows how white text looks on a background with the CIELCh color 89, 83.918, 142.251.

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
89, 83.918, 142.251

Protanopia
88, 57.695, 95.717

Deuteranopia
88, 29.832, 75.654

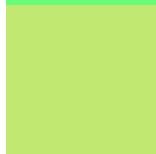


Tritanopia
89, 28.930, 216.851

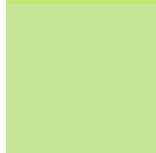
Trichromacy



Original Color
89, 83.918, 142.251



Protanomaly
87, 61.949, 120.296



Deuteranomaly
87, 42.128, 122.963

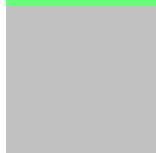


Tritanomaly
89, 41.829, 169.198

Monochromacy



Original Color
89, 83.918, 142.251



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 32.626, 146.302

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 83.918, 142.251 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(102, 253, 120)` looks like.

```
.text, #text, p{  
    color:rgb(102, 253, 120)  
}
```

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(102, 253, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 253, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 83.918, 142.251 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(102, 253, 120) }
```

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

```
.border{ border-color:rgb(102, 253, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 253, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 253, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 253, 120);  
box-shadow:4px 4px 4px 4px rgb(102, 253,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 83.918, 142.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 253, 120) }
```

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

```
.background{ background-color: rgb(102,  
253, 120) }
```

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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