

Converting Colors

CIELCh(89, 86.924, 141.199)

Have a look what the booklet for
CIELCh(89, 86.924, 141.199)
contains.

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Color

CIELCh(89, 86.795, 141.211)

Conversions

Conversions Part 1

Format	Color
Hex	64FD71
RGB	100, 253, 113
RGB Percent	39%, 99%, 44%
CMY	0.6078, 0.0078, 0.5568
CMYK	0.60, 0.00, 0.55, 0.01
HSL	125°, 97%, 69%
HSV	125°, 60%, 99%
XYZ	43.3695, 74.1641, 27.6569
YIQ	191.2930, -46.2480, -75.9760

Conversions

Conversions Part 2

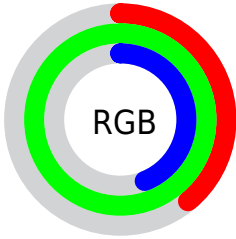
Format	Color
RYB	100, 241, 253
Decimal	6618481
CIELab	89.00, -67.65, 54.37
CIELCh	89, 86.795, 141.211
Yxy	74.1641, 0.2987, 0.5108
Android (android.graphics.Color)	4284808561 (0xFF64FD71)
YUV	191.2930, -38.5984, -80.0640
Hunter-Lab	86.1186, -60.8146, 41.2421

Details

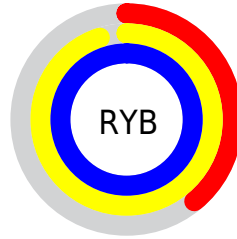
The CIELCh color **89, 86.795, 141.211** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **67, 85.425, 330.249**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 55.151, 142.950**, and **69, 86.664, 141.144** is the 20% darker color. If you saturate the color by 10%, you get **88, 97.968, 139.878**, and if you desaturate by 10%, it is **90, 74.050, 142.469**.

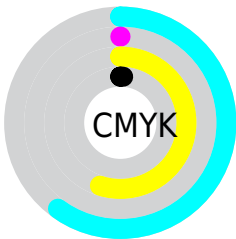
Distribution



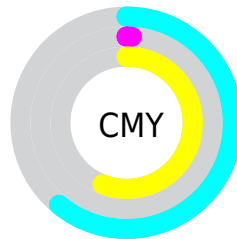
- Red (39%)
- Green (99%)
- Blue (44%)



- Red (39%)
- Yellow (95%)
- Blue (99%)



- Cyan (60%)
- Magenta (0%)
- Yellow (55%)
- Black (1%)





- Cyan (61%)
- Magenta (1%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 86.795, 141.211 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, 86.795, 141.211 by changing the saturation by 10% instead.


 89, 86.795,
141.211

 89, 86.795,
141.211


 100, 86.795,
141.211

 79, 86.795,
141.211

 69, 86.795,
141.211

 59, 86.795,
141.211

 49, 86.795,
141.211

 39, 86.795,
141.211


 29, 86.795,
141.211


 19, 86.795,


141.211


 9, 86.795, 141.211


 0, 86.795, 141.211


 89, 86.795,
141.211


 89, 86.795,
141.211


 88, 97.968,
139.878


 90, 74.050,
142.469


 88, 107.085,
138.559

 91, 60.187,
143.602

 87, 113.701,
137.385

 93, 45.611,
144.596

 87, 117.495,
136.565

 95, 30.664,
145.454

 97, 15.620,

146.195

99, 0.688, 147.278

100, 1.237,
324.235

Harmonies

Complementary

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



89, 86.795, 141.211



67, 85.425, 330.249

Rectangle

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



89, 86.795, 141.211



89, 86.795, 191.211



89, 86.795, 321.211



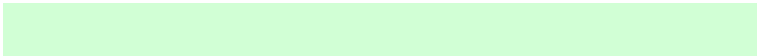
89, 86.795, 11.211

Sweetspot

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



89, 86.796, 141.211



96, 27.117, 145.646



96, 73.467, 108.619



51, 18.856, 145.418



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, 86.796, 141.211



89, 101.111, 139.534



90, 58.118, 161.295



52, 8.529, 146.261



68, 94.846, 136.716



22, 41.965, 138.421

Inverse Universe

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



67, 85.425, 330.249



63, 97.743, 330.859



64, 64.019, 356.612



50, 8.545, 327.347



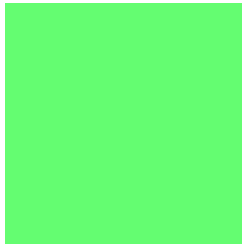
45, 87.065, 331.942



12, 40.377, 331.459

Previews

White Background



This preview shows how the CIE LCh color 89, 86.795, 141.211 looks on a white background.

Color Contrast Check

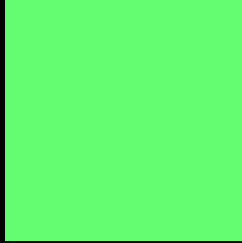
Large Text (above 18pt) WCAG AA × Fail

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, 86.795, 141.211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

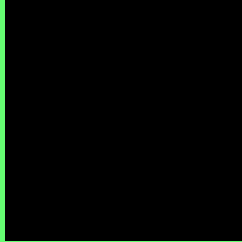
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 86.795, 141.211

Background



This preview shows how black text looks on a background with the CIELCh color 89, 86.795, 141.211.

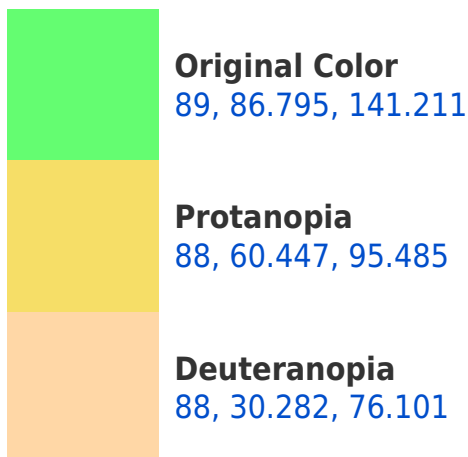


This preview shows how white text looks on a background with the CIELCh color 89, 86.795, 141.211.

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



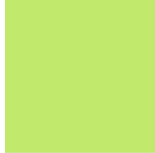


Tritanopia
89, 28.930, 216.851

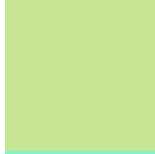
Trichromacy



Original Color
89, 86.795, 141.211



Protanomaly
87, 64.533, 119.536



Deuteranomaly
87, 43.558, 122.353

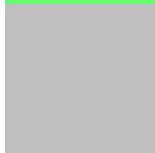


Tritanomaly
88, 42.980, 167.580

Monochromacy



Original Color
89, 86.795, 141.211



Achromatopsia
77, 0.009, 296.813



Achromatomaly
81, 34.123, 145.127

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 86.795, 141.211 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(100, 253, 113)` looks like.

```
.text, #text, p{  
    color:rgb(100, 253, 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(100, 253, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 253, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 86.795, 141.211 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(100, 253, 113) }
```

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

```
.border{ border-color:rgb(100, 253, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 253, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 253, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 253, 113);  
box-shadow:4px 4px 4px 4px rgb(100, 253,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 86.795, 141.211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 253, 113) }
```

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

```
.background{ background-color: rgb(100,  
253, 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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