Converting Colors

CIELCh(89, 86.215, 140.997)

Have a look what the booklet for CIELCh(89, 86.215, 140.997) contains.

Color

CIELCh(89, 86.368, 140.882)

Conversions

Conversions Part 1

Format	Color
Hex	67FD71
RGB	103, 253, 113
RGB Percent	40%, 99%, 44%
CMY	0.5971, 0.0087, 0.5577
CMYK	0.59, 0.00, 0.55, 0.01
HSL	124°, 97%, 70%
HSV	124°, 59%, 99%
XYZ	43.5877, 74.1641, 27.5795
YIQ	192.1900, -44.4600, -75.3400

Conversions

Conversions Part 2

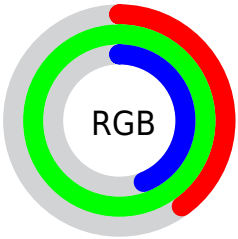
Format	Color
RYB	103, 244, 253
Decimal	6815089
CIELab	89.00, -67.01, 54.49
CIELCh	89, 86.368, 140.882
Yxy	74.1641, 0.2999, 0.5103
Android (android.graphics.Color)	4285005169 (0xFF67FD71)
YUV	192.1900, -39.0407, -78.2196
Hunter-Lab	86.1186, -60.3623, 41.2954

Details

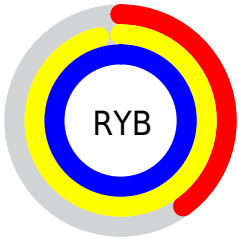
The CIELCh color 89, 86.368, 140.882 is a light color, and the websafe version is hex 66FF66. A complement of this color would be 67, 85.150, 329.575, and the grayscale version is 78, 0.009, 296.813.

A 20% lighter version of the original color is 93, 54.758, 142.451, and 69, 86.323, 140.897 is the 20% darker color. If you saturate the color by 10%, you get 88, 97.774, 139.590, and if you desaturate by 10%, it is 90, 73.374, 142.107.

Distribution

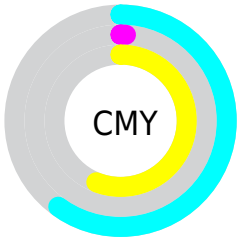


- Red (40%)
- Green (99%)
- Blue (44%)



- Red (40%)
- Yellow (96%)
- Blue (99%)

- Cyan (59%)
- Magenta (0%)
- Yellow (55%)
- Black (1%)



- Cyan (60%)
- Magenta (1%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 86.368, 140.882 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, 86.368, 140.882 by changing the saturation by 10% instead.

89, 86.368, 140.882

100, 86.368, 140.882

89, 86.368, 140.882

79, 86.368, 140.882

69, 86.368, 140.882

59, 86.368, 140.882

49, 86.368, 140.882

39, 86.368, 140.882

29, 86.368, 140.882

19, 86.368,

140.882

9, 86.368, 140.882

0, 86.368, 140.882

89, 86.368, 140.882

88, 97.774, 139.590

88, 107.075, 138.325

87, 113.788, 137.222

87, 117.677, 136.442

87, 117.845,

89, 86.368, 140.882

90, 73.374, 142.107

91, 59.270, 143.214

93, 44.471, 144.185

95, 29.324, 145.023

97, 14.104,

136.412 145.748

99, 0.981, 325.997

99, 1.388, 324.267

Harmonies

Complementary

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

89, 86.368, 140.882

67, 85.150, 329.575

Rectangle

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

89, 86.368, 140.882

89, 86.368, 190.882

89, 86.368, 320.882

89, 86.368, 10.882

Sweetspot

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

89, 86.369, 140.882

96, 27.460, 145.127

96, 72.201, 107.882

51, 19.095, 144.900

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, 86.369, 140.882

89, 100.162, 139.372

90, 58.074, 160.505

52, 8.637, 145.737

68, 95.248, 136.542

22, 42.356, 138.060

Inverse Universe

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

67, 85.150, 329.575

64, 97.329, 330.103

64, 63.343, 355.186

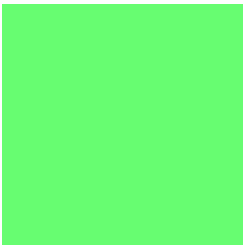
50, 8.653, 326.813

45, 88.309, 331.097

12, 40.885, 330.730

Previews

White Background

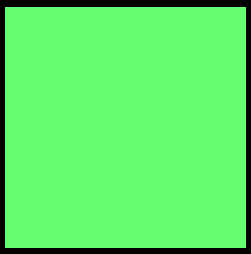


This preview shows how the CIELCh color 89, 86.368, 140.882 looks on a white background.

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, 86.368, 140.882 looks on a black background.

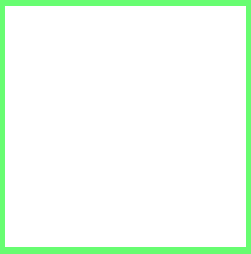
Color Contrast Check

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, 86.368, 140.882 Background

This preview shows how black text looks on a background with the CIELCh color 89, 86.368, 140.882.



This preview shows how white text looks on a background with the CIELCh color 89, 86.368, 140.882.

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

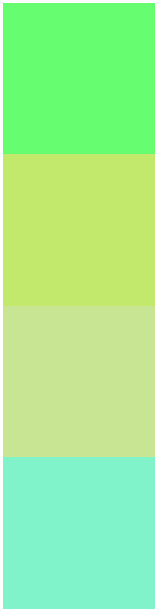
Original Color
89, 86.368, 140.882

Protanopia
88, 60.447, 95.485

Deuteranopia
88, 30.282, 76.101

Tritanopia
89, 28.930, 216.851

Trichromacy



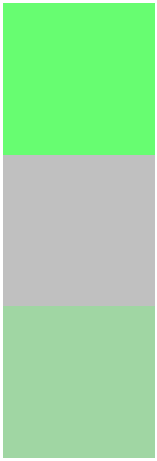
Original Color
89, 86.368, 140.882

Protanomaly
87, 64.427, 119.204

Deuteranomaly
87, 43.448, 121.873

Tritanomaly
88, 42.762, 167.436

Monochromacy



Original Color
89, 86.368, 140.882

Achromatopsia
78, 0.009, 296.813

Achromatomaly
81, 33.688, 144.245

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 86.368, 140.882 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(103, 253, 113) looks like.

```
.text, #text, p{
    color:rgb(103, 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(103, 253, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 253, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 86.368, 140.882 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(103, 253, 113) }
```

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

```
.border{ border-color:rgb(103, 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(103, 253, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 253, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 253, 113); box-shadow:4px 4px 4px 4px rgb(103, 253, 113) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 86.368, 140.882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(103, 253, 113) }
```

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

```
.background{ background-color:rgb(103,
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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