

Converting Colors

CIELCh(89, 85.596, 142.002)

Have a look what the booklet for
CIELCh(89, 85.596, 142.002)
contains.

CIELCh(89, 85.462, 142.026)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(89, 85.462, 142.026)

Conversions

Conversions Part 1

Format	Color
Hex	63FD75
RGB	99, 253, 117
RGB Percent	39%, 99%, 46%
CMY	0.6119, 0.0080, 0.5413
CMYK	0.61, 0.00, 0.54, 0.01
HSL	127°, 97%, 69%
HSV	127°, 61%, 99%
XYZ	43.4656, 74.1641, 28.8447
YIQ	191.4500, -48.1280, -74.9440

Conversions

Conversions Part 2

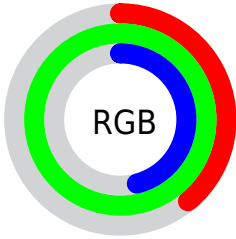
Format	Color
RYB	99, 237, 253
Decimal	6552949
CIELab	89.00, -67.37, 52.59
CIELCh	89, 85.462, 142.026
Yxy	74.1641, 0.2967, 0.5063
Android (android.graphics.Color)	4284743029 (0xFF63FD75)
YUV	191.4500, -36.7038, -81.0786
Hunter-Lab	86.1186, -60.6153, 40.4243

Details

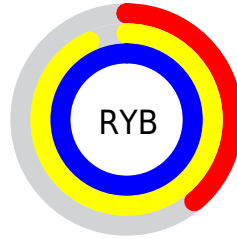
The CIELCh color **89, 85.462, 142.026** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **66, 84.031, 331.421**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 53.707, 144.425**, and **69, 85.387, 141.790** is the 20% darker color. If you saturate the color by 10%, you get **88, 96.481, 140.628**, and if you desaturate by 10%, it is **90, 72.972, 143.324**.

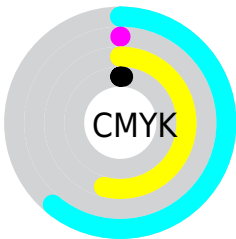
Distribution



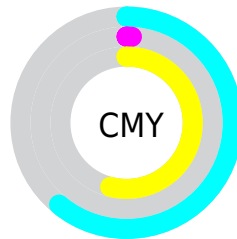
- Red (39%)
- Green (99%)
- Blue (46%)



- Red (39%)
- Yellow (93%)
- Blue (99%)



- Cyan (61%)
- Magenta (0%)
- Yellow (54%)
- Black (1%)





- Cyan (61%)
- Magenta (1%)
- Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 85.462, 142.026 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, 85.462, 142.026 by changing the saturation by 10% instead.


 89, 85.462,
142.026

 89, 85.462,
142.026


 100, 85.462,
142.026

 79, 85.462,
142.026

 69, 85.462,
142.026

 59, 85.462,
142.026

 49, 85.462,
142.026

 39, 85.462,
142.026


 29, 85.462,
142.026

 19, 85.462,


142.026


 9, 85.462, 142.026


 0, 85.462, 142.026

 89, 85.462,
142.026


 89, 85.462,
142.026


 88, 96.481,
140.628


 90, 72.972,
143.324


 88, 105.602,
139.205

 91, 59.419,
144.484

 87, 112.434,
137.878

 93, 45.180,
145.497

 87, 116.508,
136.907

 95, 30.576,
146.372

 97, 15.870,

147.127

99, 1.264, 148.011

100, 1.268,
324.242

Harmonies

Complementary

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



89, 85.462, 142.026



66, 84.031, 331.421

Rectangle

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



89, 85.462, 142.026



89, 85.462, 192.026



89, 85.462, 322.026



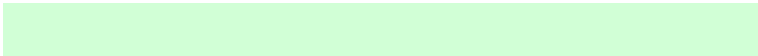
89, 85.462, 12.026

Sweetspot

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



89, 85.463, 142.026



96, 26.513, 146.599



95, 74.060, 110.200



51, 18.436, 146.368



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, 85.463, 142.026



89, 99.216, 140.320



90, 56.641, 163.260



52, 8.340, 147.223



68, 93.979, 137.097



22, 41.276, 139.080

Inverse Universe

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



66, 84.031, 331.421



63, 95.629, 332.107



64, 63.718, 359.126



50, 8.358, 328.327



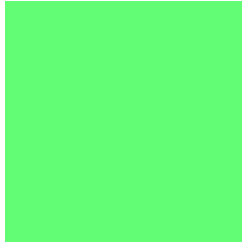
44, 84.911, 333.526



12, 39.495, 332.816

Previews

White Background



This preview shows how the CIE LCh color 89, 85.462, 142.026 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, 85.462, 142.026 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

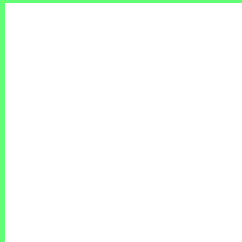
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 85.462, 142.026

Background



This preview shows how black text looks on a background with the CIELCh color 89, 85.462, 142.026.

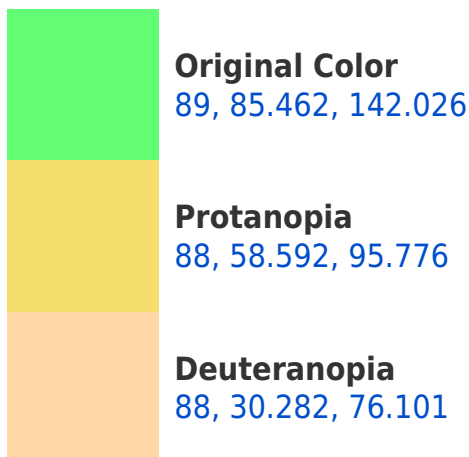


This preview shows how white text looks on a background with the CIELCh color 89, 85.462, 142.026.

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



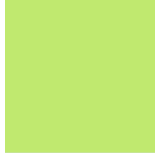


Tritanopia
89, 29.157, 216.685

Trichromacy



Original Color
89, 85.462, 142.026



Protanomaly
87, 62.926, 120.373

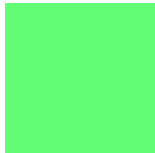


Deuteranomaly
87, 43.196, 123.033

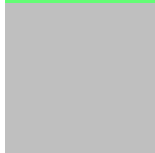


Tritanomaly
88, 42.575, 168.880

Monochromacy



Original Color
89, 85.462, 142.026



Achromatopsia
77, 0.009, 296.813



Achromatomaly
81, 33.696, 145.653

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 85.462, 142.026 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(99, 253, 117)` looks like.

```
.text, #text, p{  
    color:rgb(99, 253, 117)  
}
```

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(99, 253, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 253, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 85.462, 142.026 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(99, 253, 117) }
```

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

```
.border{ border-color:rgb(99, 253, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 253, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 253, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 253, 117);  
box-shadow:4px 4px 4px 4px rgb(99, 253,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 85.462, 142.026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 253, 117) }
```

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

```
.background{ background-color: rgb(99, 253,  
117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor