

Converting Colors

CIELCh(89, 94.663, 140.233)

Have a look what the booklet for
CIELCh(89, 94.663, 140.233)
contains.

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Color

CIELCh(89, 94.673, 140.319)

Conversions

Conversions Part 1

Format	Color
Hex	55FF63
RGB	85, 255, 99
RGB Percent	33%, 100%, 39%
CMY	0.6680, 0.0010, 0.6127
CMYK	0.67, 0.00, 0.61, 0.00
HSL	125°, 100%, 67%
HSV	125°, 67%, 100%
XYZ	41.6328, 74.1641, 23.8641
YIQ	186.3860, -51.2440, -84.5560

Conversions

Conversions Part 2

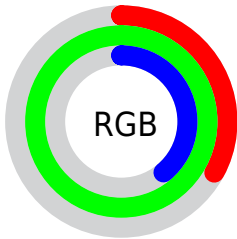
Format	Color
RYB	85, 242, 255
Decimal	5635939
CIELab	89.00, -72.86, 60.45
CIELCh	89, 94.673, 140.319
Yxy	74.1641, 0.2981, 0.5310
Android (android.graphics.Color)	4283826019 (0xFF55FF63)
YUV	186.3860, -43.0813, -88.9155
Hunter-Lab	86.1186, -64.4144, 43.8533

Details

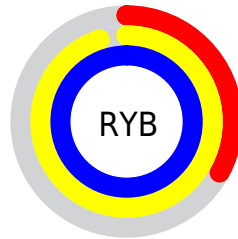
The CIELCh color **89, 94.673, 140.319** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **65, 92.443, 330.486**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 63.013, 141.614**, and **70, 92.545, 138.663** is the 20% darker color. If you saturate the color by 10%, you get **88, 104.655, 138.987**, and if you desaturate by 10%, it is **90, 82.792, 141.630**.

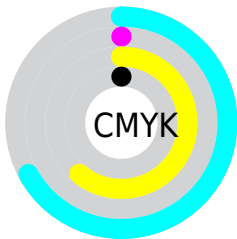
Distribution



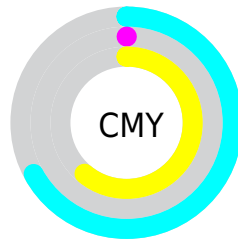
- Red (33%)
- Green (100%)
- Blue (39%)



- Red (33%)
- Yellow (95%)
- Blue (100%)



- Cyan (67%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)





- Cyan (67%)
- Magenta (0%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 94.673, 140.319 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, 94.673, 140.319 by changing the saturation by 10% instead.


 89, 94.673,
140.319

 89, 94.673,
140.319


 100, 94.673,
140.319


 79, 94.673,
140.319

 69, 94.673,
140.319

 59, 94.673,
140.319

 49, 94.673,
140.319

 39, 94.673,
140.319


 29, 94.673,
140.319


 19, 94.673,


140.319


 9, 94.673, 140.319


 0, 94.673, 140.319


 89, 94.673,
140.319


 89, 94.673,
140.319


 88, 104.655,
138.987


 90, 82.792,
141.630


 88, 112.259,
137.753

 91, 69.496,
142.843

 88, 117.136,
136.760


 92, 55.228,
143.925

 88, 118.165,
136.542

 94, 40.376,
144.867

 96, 25.260,

145.678

 98, 10.131,
146.386

100, 0.171,
322.632

Harmonies

Complementary

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



89, 94.673, 140.319



65, 92.443, 330.486

Rectangle

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



89, 94.673, 140.319



89, 94.673, 190.319



89, 94.673, 320.319



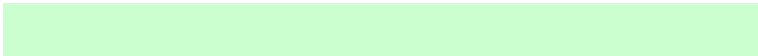
89, 94.673, 10.319

Sweetspot

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



89, 94.673, 140.319



96, 30.190, 145.429



96, 79.875, 107.446



50, 20.605, 145.202



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, 94.673, 140.319



88, 107.484, 138.570



90, 64.222, 159.251



52, 8.542, 146.199



68, 94.897, 136.694



22, 42.011, 138.378

Inverse Universe

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



65, 92.443, 330.486



61, 102.572, 331.089



62, 70.033, 356.909



50, 8.558, 327.283



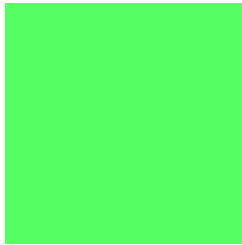
45, 87.211, 331.841



12, 40.437, 331.372

Previews

White Background



This preview shows how the CIELCh color 89, 94.673, 140.319 looks on a white background.

Color Contrast Check

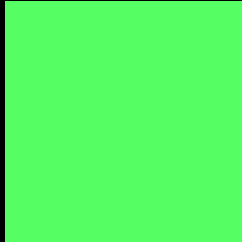
Large Text (above 18pt) WCAG AA × Fail

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, 94.673, 140.319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

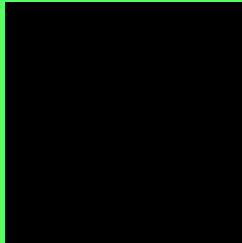
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 94.673, 140.319

Background



This preview shows how black text looks on a background with the CIELCh color 89, 94.673, 140.319.

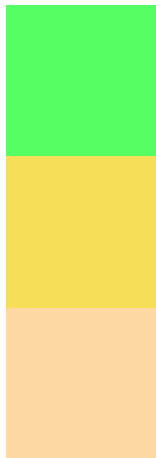


This preview shows how white text looks on a background with the CIELCh color 89, 94.673, 140.319.

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, 94.673, 140.319

Protanopia
88, 66.478, 95.414

Deuteranopia
88, 31.641, 77.355

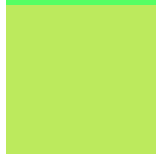


Tritanopia
89, 29.831, 216.205

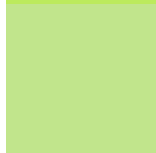
Trichromacy



Original Color
89, 94.673, 140.319



Protanomaly
87, 71.340, 119.698



Deuteranomaly
87, 47.565, 123.699

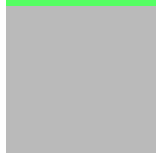


Tritanomaly
88, 46.282, 165.949

Monochromacy



Original Color
89, 94.673, 140.319



Achromatopsia
76, 0.009, 296.813



Achromatomaly
79, 38.088, 144.598

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 94.673, 140.319 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(85, 255, 99)` looks like.

```
.text, #text, p{  
    color:rgb(85, 255, 99)  
}
```

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(85, 255, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 255, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 94.673, 140.319 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(85, 255, 99) }
```

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

```
.border{ border-color:rgb(85, 255, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 255, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 255, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 255, 99);  
box-shadow:4px 4px 4px 4px rgb(85, 255,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 94.673, 140.319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 255, 99) }
```

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

```
.background{ background-color: rgb(85, 255,  
99) }
```

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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