

Converting Colors

CIELCh(89, 100.049, 139.628)

Have a look what the booklet for
CIELCh(89, 100.049, 139.628)
contains.

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Color

CIELCh(89, 99.647, 139.691)

Conversions

Conversions Part 1

Format	Color
Hex	4AFF59
RGB	74, 255, 89
RGB Percent	29%, 100%, 35%
CMY	0.7096, 0.0000, 0.6521
CMYK	0.71, 0.00, 0.65, 0.00
HSL	125°, 100%, 65%
HSV	125°, 71%, 100%
XYZ	40.6130, 74.1641, 21.5601
YIQ	181.9570, -54.5900, -89.9980

Conversions

Conversions Part 2

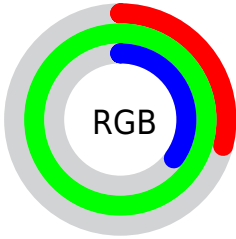
Format	Color
RYB	74, 241, 255
Decimal	4915033
CIELab	89.00, -75.99, 64.46
CIELCh	89, 99.647, 139.691
Yxy	74.1641, 0.2979, 0.5440
Android (android.graphics.Color)	4283105113 (0xFF4AFF59)
YUV	181.9570, -45.8278, -94.6783
Hunter-Lab	86.1186, -66.5281, 45.4395

Details

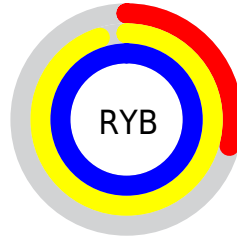
The CIELCh color **89, 99.647, 139.691** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed green. A complement of this color would be **64, 96.371, 330.617**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 68.139, 141.039**, and **69, 95.651, 137.282** is the 20% darker color. If you saturate the color by 10%, you get **88, 108.349, 138.411**, and if you desaturate by 10%, it is **90, 88.158, 141.040**.

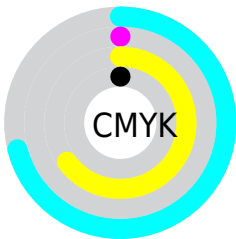
Distribution



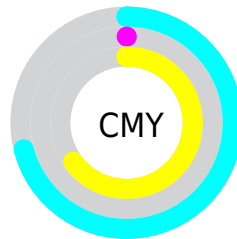
- Red (29%)
- Green (100%)
- Blue (35%)



- Red (29%)
- Yellow (95%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)





- Cyan (71%)
- Magenta (0%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 99.647, 139.691 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, 99.647, 139.691 by changing the saturation by 10% instead.


 89, 99.647,
139.691


 89, 99.647,
139.691


 100, 99.647,
139.691


 79, 99.647,
139.691

 69, 99.647,
139.691

 59, 99.647,
139.691

 49, 99.647,
139.691

 39, 99.647,
139.691


 29, 99.647,
139.691


 19, 99.647,


139.691


 9, 99.647, 139.691


 0, 99.647, 139.691


 89, 99.647,
139.691


 89, 99.647,
139.691


 88, 108.349,
138.411


 90, 88.158,
141.040

 88, 114.817,
137.270

 91, 75.379,
142.298


 88, 118.303,
136.525


 92, 61.442,
143.436

 94, 46.763,
144.436

 95, 31.692,

145.300

 97, 16.510,
146.045

 100, 1.432,
146.882

100, 0.012,
296.813

Harmonies

Complementary

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



89, 99.647, 139.691



64, 96.371, 330.617

Rectangle

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



89, 99.647, 139.691



89, 99.647, 189.691



89, 99.647, 319.691



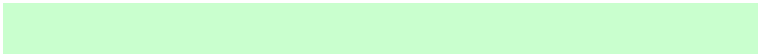
89, 99.647, 9.691

Sweetspot

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



89, 99.313, 139.712



95, 31.746, 145.297



96, 83.609, 107.243



50, 21.492, 145.071



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, 99.313, 139.712



88, 111.289, 137.923



90, 67.320, 158.491



52, 8.553, 146.145



68, 94.940, 136.676



22, 42.050, 138.342

Inverse Universe

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



64, 96.371, 330.617



61, 105.145, 331.225



60, 73.210, 358.024



50, 8.569, 327.229



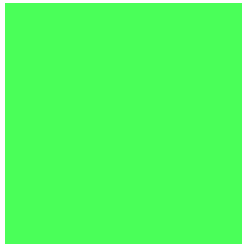
45, 87.335, 331.755



12, 40.488, 331.297

Previews

White Background



This preview shows how the CIE LCh color 89, 99.647, 139.691 looks on a white background.

Color Contrast Check

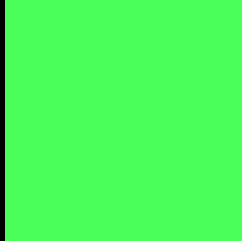
Large Text (above 18pt) WCAG AA × Fail

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, 99.647, 139.691 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, 99.647, 139.691

Background



This preview shows how black text looks on a background with the CIELCh color 89, 99.647, 139.691.

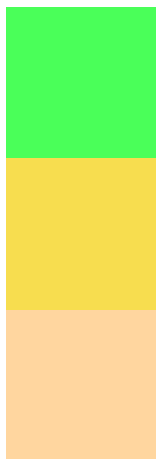


This preview shows how white text looks on a background with the CIELCh color 89, 99.647, 139.691.

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, 99.223, 139.754

Protanopia

88, 70.133, 95.173

Deuteranopia

88, 33.259, 77.871



Tritanopia
88, 30.928, 215.465

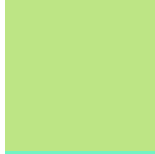
Trichromacy



Original Color
89, 99.223, 139.754



Protanomaly
87, 75.146, 119.624

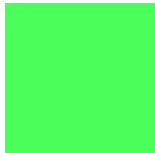


Deuteranomaly
86, 51.308, 124.019



Tritanomaly
88, 49.188, 164.978

Monochromacy



Original Color
89, 99.223, 139.754



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 40.727, 144.261

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 99.647, 139.691 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(74, 255, 89)` looks like.

```
.text, #text, p{  
    color:rgb(74, 255, 89)  
}
```

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(74, 255, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 255, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 99.647, 139.691 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(74, 255, 89) }
```

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

```
.border{ border-color:rgb(74, 255, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 255, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 255, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 255, 89);  
box-shadow:4px 4px 4px 4px rgb(74, 255,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 99.647, 139.691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 255, 89) }
```

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

```
.background{ background-color: rgb(74, 255,  
89) }
```

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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