

Converting Colors

CIELCh(88, 108.982, 139.837)

Have a look what the booklet for
CIELCh(88, 108.982, 139.837)
contains.

CIELCh(88, 109.014, 139.810)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(88, 109.014, 139.810)

Conversions

Conversions Part 1

Format	Color
Hex	09FF45
RGB	9, 255, 69
RGB Percent	4%, 100%, 27%
CMY	0.9661, 0.0000, 0.7290
CMYK	0.97, 0.00, 0.73, 0.00
HSL	135°, 100%, 52%
HSV	135°, 97%, 100%
XYZ	36.9746, 72.0653, 17.6069
YIQ	160.2420, -86.9100, -109.9980

Conversions

Conversions Part 2

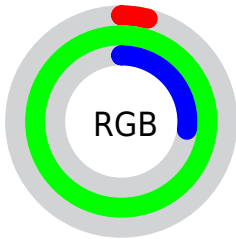
Format	Color
RYB	9, 207, 255
Decimal	655173
CIELab	88.00, -83.28, 70.35
CIElCh	88, 109.014, 139.810
Yxy	72.0653, 0.2920, 0.5690
Android (android.graphics.Color)	4278845253 (0xFF09FF45)
YUV	160.2420, -44.9823, -132.6392
Hunter-Lab	84.8913, -70.8135, 47.1268

Details

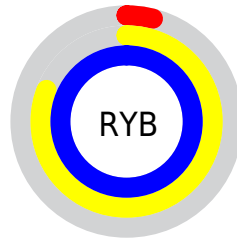
The CIELCh color **88, 109.014, 139.810** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **57, 95.409, 340.865**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 79.688, 141.412**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 110.835, 139.252**, and if you desaturate by 10%, it is **88, 102.481, 141.622**.

Distribution



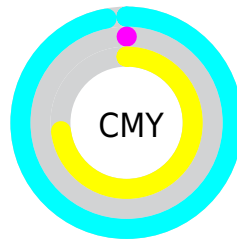
- Red (4%)
- Green (100%)
- Blue (27%)



- Red (4%)
- Yellow (81%)
- Blue (100%)



- Cyan (97%)
- Magenta (0%)
- Yellow (73%)
- Black (0%)





- Cyan (97%)
- Magenta (0%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 109.014, 139.810 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 88, 109.014, 139.810 by changing the saturation by 10% instead.


 88, 109.014,
139.810


 88, 109.014,
139.810


 100, 109.014,
139.810


 78, 109.014,
139.810


 68, 109.014,
139.810

 58, 109.014,
139.810

 48, 109.014,
139.810

 38, 109.014,
139.810

 28, 109.014,
139.810

 18, 109.014,

139.810

■ 8, 109.014,
139.810

■ 0, 109.014,
139.810

■ 88, 109.014,
139.810

■ 88, 109.014,
139.810

■ 88, 110.835,
139.252

■ 88, 102.481,
141.622

■ 89, 94.318,
143.412

■ 89, 84.639,
145.089

■ 90, 73.667,
146.606

■ 91, 61.667,
147.944

■ 93, 48.925,
149.110

■ 95, 35.714,
150.119

■ 96, 22.278,
150.994

■ 98, 8.820, 151.770

Harmonies

Complementary

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



88, 109.014, 139.810



57, 95.409, 340.865

Rectangle

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



88, 109.014, 139.810



88, 109.014, 189.810



88, 109.014, 319.810



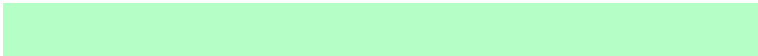
88, 109.014, 9.810

Sweetspot

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



88, 108.974, 139.814



94, 38.901, 149.891



93, 99.614, 116.434



49, 26.647, 149.464



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 108.974, 139.814



88, 110.835, 139.252



90, 67.190, 164.877



52, 7.602, 151.551



68, 88.594, 139.575



23, 38.313, 142.251

Inverse Universe

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



57, 95.409, 340.865



57, 95.434, 341.377



54, 88.253, 23.406



50, 7.632, 332.758



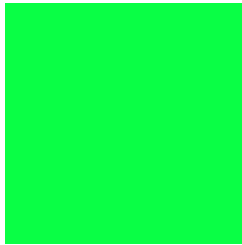
43, 77.098, 341.090



11, 36.229, 339.173

Previews

White Background



This preview shows how the CIELCh color 88, 109.014, 139.810 looks on a white background.

Color Contrast Check

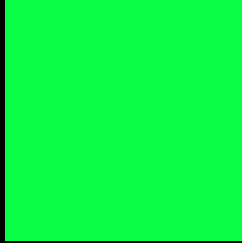
Large Text (above 18pt) WCAG AA × Fail

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 88, 109.014, 139.810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

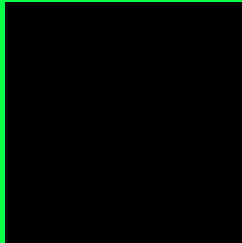
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

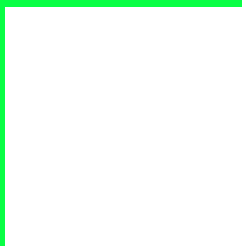
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 109.014, 139.810

Background



This preview shows how black text looks on a background with the CIELCh color 88, 109.014, 139.810.

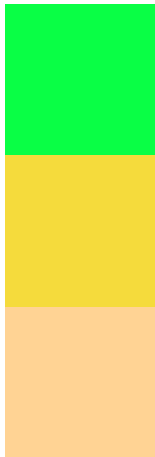


This preview shows how white text looks on a background with the CIELCh color 88, 109.014, 139.810.

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

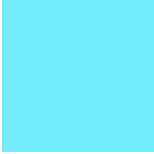
88, 108.995, 139.799

Protanopia

87, 76.107, 95.280

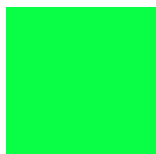
Deuteranopia

87, 37.677, 78.750

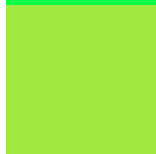


Tritanopia
88, 34.780, 213.219

Trichromacy



Original Color
88, 108.995, 139.799



Protanomaly
85, 84.668, 123.848

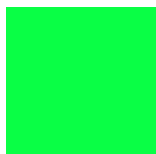


Deuteranomaly
84, 59.919, 129.398

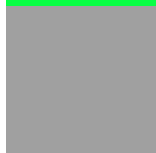


Tritanomaly
87, 57.801, 164.761

Monochromacy



Original Color
88, 108.995, 139.799



Achromatopsia
66, 0.008, 296.813



Achromatomaly
72, 49.224, 148.058

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 109.014, 139.810 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(9, 255, 69)` looks like.

```
.text, #text, p{  
    color:rgb(9, 255, 69)  
}
```

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(9, 255, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 255, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 109.014, 139.810 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(9, 255, 69) }
```

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

```
.border{ border-color:rgb(9, 255, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 255, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 255, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 255, 69);  
box-shadow:4px 4px 4px 4px rgb(9, 255, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 88, 109.014, 139.810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 255, 69) }
```

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

```
.background{ background-color: rgb(9, 255,  
69) }
```

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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