

Converting Colors

CIELCh(84, 109.601, 138.086)

Have a look what the booklet for
CIELCh(84, 109.601, 138.086)
contains.

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Color

CIELCh(84, 109.860, 138.046)

Conversions

Conversions Part 1

Format	Color
Hex	00F32E
RGB	0, 243, 46
RGB Percent	0%, 95%, 18%
CMY	1.0000, 0.0485, 0.8214
CMYK	1.00, 0.00, 0.81, 0.05
HSL	131°, 100%, 48%
HSV	131°, 100%, 95%
XYZ	32.4153, 64.0658, 13.1936
YIQ	147.8850, -81.5910, -112.7830

Conversions

Conversions Part 2

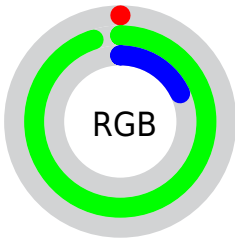
Format	Color
RYB	0, 204, 243
Decimal	62254
CIELab	84.00, -81.70, 73.45
CIELCh	84, 109.860, 138.046
Yxy	64.0658, 0.2956, 0.5841
Android (android.graphics.Color)	4278252334 (0xFF00F32E)
YUV	147.8850, -50.2293, -129.6951
Hunter-Lab	80.0411, -67.7825, 46.2557

Details

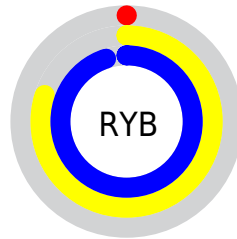
The CIELCh color **84, 109.860, 138.046** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **55, 95.953, 337.607**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 86.898, 138.608**, and **66, 94.118, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **84, 109.850, 138.040**, and if you desaturate by 10%, it is **84, 104.500, 139.525**.

Distribution



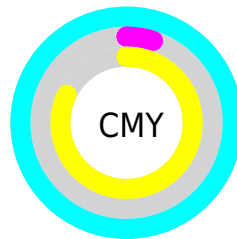
- Red (0%)
- Green (95%)
- Blue (18%)



- Red (0%)
- Yellow (80%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (81%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 109.860, 138.046 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 84, 109.860, 138.046 by changing the saturation by 10% instead.


 84, 109.860,
138.046


 84, 109.860,
138.046


 100, 109.860,
138.046


 74, 109.860,
138.046


 64, 109.860,
138.046

 54, 109.860,
138.046

 44, 109.860,
138.046

 34, 109.860,
138.046

 24, 109.860,
138.046

 14, 109.860,

138.046

■ 4, 109.860,
138.046

■ 0, 109.860,
138.046

■ 84, 109.860,
138.046

■ 84, 109.860,
138.046

■ 84, 109.850,
138.040

■ 84, 104.500,
139.525

■ 85, 97.246,
141.152

■ 85, 88.229,
142.757

■ 86, 77.720,
144.254

■ 87, 66.026,
145.602

■ 88, 53.463,
146.787

■ 90, 40.333,
147.815

■ 92, 26.903,
148.703

■ 94, 13.398,
149.475

Harmonies

Complementary

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



84, 109.860, 138.046



55, 95.953, 337.607

Rectangle

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



84, 109.860, 138.046



84, 109.860, 188.046



84, 109.860, 318.046



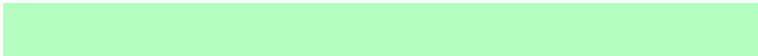
84, 109.860, 8.046

Sweetspot

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



84, 109.850, 138.040



94, 41.991, 147.808



90, 95.478, 113.958



49, 28.597, 147.391



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 109.850, 138.040



88, 114.178, 138.000



85, 69.934, 160.146



50, 7.667, 149.512



66, 89.485, 138.301



21, 37.301, 141.094

Inverse Universe

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



55, 95.953, 337.607



58, 99.598, 337.637



51, 84.247, 20.661



48, 7.690, 330.662



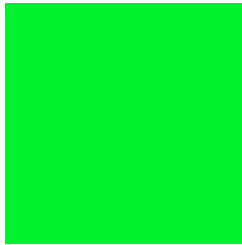
42, 78.836, 337.421



10, 35.716, 335.985

Previews

White Background



This preview shows how the CIE LCh color 84, 109.860, 138.046 looks on a white background.

Color Contrast Check

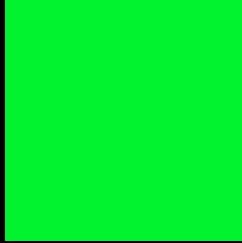
Large Text (above 18pt) WCAG AA × Fail

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 84, 109.860, 138.046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

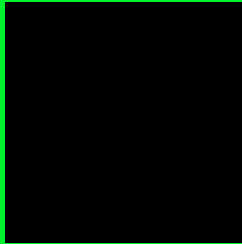
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

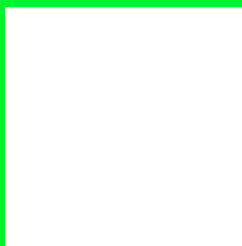
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 109.860, 138.046

Background



This preview shows how black text looks on a background with the CIELCh color 84, 109.860, 138.046.

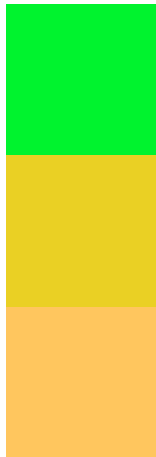


This preview shows how white text looks on a background with the CIELCh color 84, 109.860,

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

84, 109.899, 138.070

Protanopia

83, 78.974, 94.978

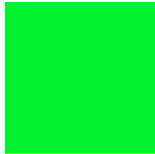
Deuteranopia

83, 59.391, 80.696



Tritanopia
84, 35.275, 213.049

Trichromacy



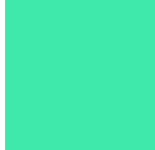
Original Color
84, 109.899, 138.070



Protanomaly
81, 87.396, 122.726

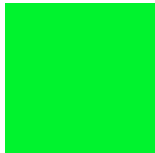


Deuteranomaly
80, 71.138, 121.696



Tritanomaly
83, 58.724, 163.021

Monochromacy



Original Color
84, 109.899, 138.070



Achromatopsia
61, 0.008, 296.813



Achromatomaly
67, 50.529, 146.093

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 109.860, 138.046 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(0, 243, 46)` looks like.

```
.text, #text, p{  
    color:rgb(0, 243, 46)  
}
```

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(0, 243, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 243, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 109.860, 138.046 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(0, 243, 46) }
```

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

```
.border{ border-color:rgb(0, 243, 46) }
```

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

Here you see how a box with a 4 pixel rgb(0, 243, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 243, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 243, 46);  
box-shadow:4px 4px 4px 4px rgb(0, 243, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 84, 109.860, 138.046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 243, 46) }
```

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

```
.background{ background-color: rgb(0, 243,  
46) }
```

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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