

Converting Colors

CIELCh(87, 117.093, 136.308)

Have a look what the booklet for
CIELCh(87, 117.093, 136.308)
contains.

CIELCh(87, 116.937, 136.309)	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>	27

Color

CIELCh(87, 116.937, 136.309)

Conversions

Conversions Part 1

Format	Color
Hex	13FC15
RGB	19, 252, 21
RGB Percent	7%, 99%, 8%
CMY	0.9273, 0.0105, 0.9186
CMYK	0.93, 0.00, 0.92, 0.01
HSL	121°, 98%, 53%
HSV	121°, 93%, 99%
XYZ	35.3023, 70.0064, 12.3489
YIQ	155.9990, -64.7170, -121.2370

Conversions

Conversions Part 2

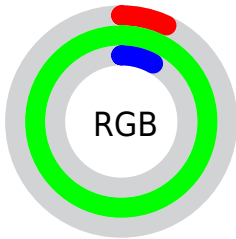
Format	Color
R _Y B	19, 250, 252
Decimal	1309717
CIE Lab	87.00, -84.55, 80.78
CIE LCh	87, 116.937, 136.309
Yxy	70.0064, 0.3000, 0.5950
Android (android.graphics.Color)	4279499797 (0xFF13FC15)
YUV	155.9990, -66.5545, -120.1481
Hunter-Lab	83.6698, -71.1087, 49.8182

Details

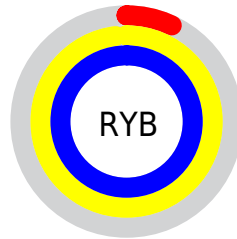
The CIELCh color **87, 116.937, 136.309** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark washed green. A complement of this color would be **60, 112.473, 328.555**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 90.257, 136.001**, and **68, 97.507, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **87, 118.672, 136.068**, and if you desaturate by 10%, it is **87, 112.071, 136.963**.

Distribution



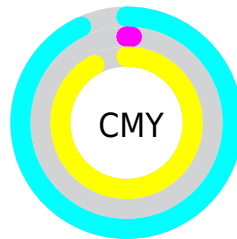
- Red (7%)
- Green (99%)
- Blue (8%)



- Red (7%)
- Yellow (98%)
- Blue (99%)



- Cyan (93%)
- Magenta (0%)
- Yellow (92%)
- Black (1%)





- Cyan (93%)
- Magenta (1%)
- Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 116.937, 136.309 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 87, 116.937, 136.309 by changing the saturation by 10% instead.


 87, 116.937,
136.309


 87, 116.937,
136.309


 100, 116.937,
136.309


 77, 116.937,
136.309


 67, 116.937,
136.309

 57, 116.937,
136.309

 47, 116.937,
136.309

 37, 116.937,
136.309

 27, 116.937,
136.309

 17, 116.937,

136.309

■ 7, 116.937,
136.309

■ 0, 116.937,
136.309

■ 87, 116.937,
136.309

■ 87, 116.937,
136.309

■ 87, 118.672,
136.068

■ 87, 112.071,
136.963

■ 88, 104.060,
137.931

■ 88, 93.368,
139.067

■ 89, 80.622,
140.233

■ 91, 66.428,
141.334

■ 92, 51.304,
142.325

■ 94, 35.672,
143.189

■ 96, 19.863,
143.934

■ 98, 4.126, 144.620

Harmonies

Complementary

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



87, 116.937, 136.309



60, 112.473, 328.555

Rectangle

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



87, 116.937, 136.309



87, 116.937, 186.309



87, 116.937, 316.309



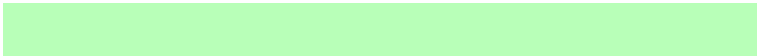
87, 116.937, 6.309

Sweetspot

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



87, 116.936, 136.310



94, 44.452, 142.741



96, 94.720, 102.953



49, 30.639, 142.354



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 116.936, 136.310



88, 119.628, 136.068



88, 85.369, 150.352



51, 8.838, 144.149



67, 95.340, 136.091



21, 42.273, 137.232

Inverse Universe

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



60, 112.473, 328.555



60, 114.695, 328.620



55, 83.180, 359.842



49, 8.851, 325.200



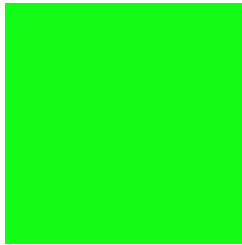
45, 91.473, 328.613



11, 41.425, 328.565

Previews

White Background



This preview shows how the CIELCh color 87, 116.937, 136.309 looks on a white background.

Color Contrast Check

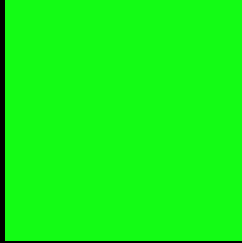
Large Text (above 18pt) WCAG AA × Fail

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 87, 116.937, 136.309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

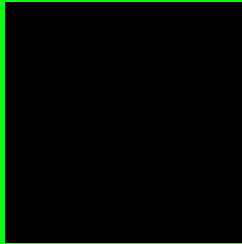
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

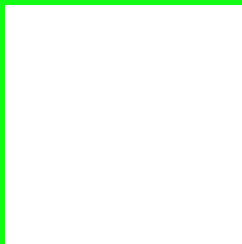
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 116.937, 136.309

Background



This preview shows how black text looks on a background with the CIELCh color 87, 116.937, 136.309.



This preview shows how white text looks on a background with the CIELCh color 87, 116.937, 136.309.

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

87, 116.781, 136.311

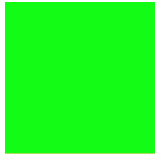
Deuteranopia

86, 43.488, 80.036

Tritanopia

87, 36.047, 213.481

Trichromacy



Original Color
87, 116.781, 136.311

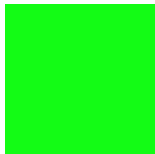


Deuteranomaly
83, 68.646, 123.510



Tritanomaly
86, 62.955, 158.887

Monochromacy



Original Color
87, 116.781, 136.311



Achromatopsia
64, 0.008, 296.813



Achromatomaly
70, 55.124, 141.275

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 116.937, 136.309 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(19, 252, 21)` looks like.

```
.text, #text, p{  
    color:rgb(19, 252, 21)  
}
```

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(19, 252, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 252, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 116.937, 136.309 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(19, 252, 21) }
```

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

```
.border{ border-color:rgb(19, 252, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 252, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 252, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 252, 21);  
box-shadow:4px 4px 4px 4px rgb(19, 252,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 116.937, 136.309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 252, 21) }
```

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

```
.background{ background-color: rgb(19, 252,  
21) }
```

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