

Converting Colors

CIELCh(87, 117.731, 136.411)

Have a look what the booklet for
CIELCh(87, 117.731, 136.411)
contains.

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Color

CIELCh(87, 117.901, 136.403)

Conversions

Conversions Part 1

Format	Color
Hex	00FD10
RGB	0, 253, 16
RGB Percent	0%, 99%, 6%
CMY	1.0000, 0.0095, 0.9378
CMYK	1.00, 0.00, 0.94, 0.01
HSL	124°, 100%, 50%
HSV	124°, 100%, 99%
XYZ	35.0582, 70.0064, 12.1487
YIQ	150.3350, -74.7110, -127.3430

Conversions

Conversions Part 2

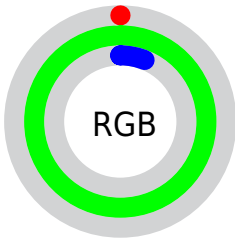
Format	Color
RYB	0, 238, 253
Decimal	64784
CIELab	87.00, -85.38, 81.30
CIELCh	87, 117.901, 136.403
Yxy	70.0064, 0.2991, 0.5973
Android (android.graphics.Color)	4278254864 (0xFF00FD10)
YUV	150.3350, -66.2272, -131.8438
Hunter-Lab	83.6698, -71.6296, 49.9601

Details

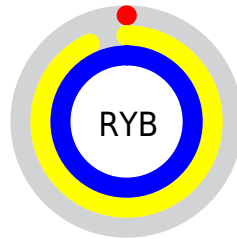
The CIELCh color **87, 117.901, 136.403** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **59, 109.115, 330.955**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 91.058, 136.259**, and **68, 97.507, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **87, 117.863, 136.381**, and if you desaturate by 10%, it is **87, 114.222, 137.100**.

Distribution



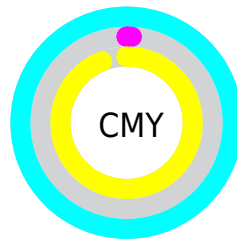
- Red (0%)
- Green (99%)
- Blue (6%)



- Red (0%)
- Yellow (93%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (94%)
- Black (1%)





- Cyan (100%)
- Magenta (1%)
- Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 117.901, 136.403 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, 117.901, 136.403 by changing the saturation by 10% instead.


 87, 117.901,
136.403


 87, 117.901,
136.403


 100, 117.901,
136.403


 77, 117.901,
136.403


 67, 117.901,
136.403

 57, 117.901,
136.403

 47, 117.901,
136.403

 37, 117.901,
136.403

 27, 117.901,
136.403

 17, 117.901,

136.403

■ 7, 117.901,
136.403

■ 0, 117.901,
136.403

■ 87, 117.901,
136.403

■ 87, 117.901,
136.403

■ 87, 117.863,
136.381

■ 87, 114.222,
137.100

■ 88, 107.744,
138.165

■ 88, 98.621,
139.408

■ 89, 87.336,
140.693

■ 90, 74.414,
141.919

■ 91, 60.342,
143.032

■ 93, 45.546,
144.010

■ 95, 30.379,
144.855

■ 97, 15.123,
145.585

Harmonies

Complementary

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



87, 117.901, 136.403



59, 109.115, 330.955

Rectangle

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



87, 117.901, 136.403



87, 117.901, 186.403



87, 117.901, 316.403



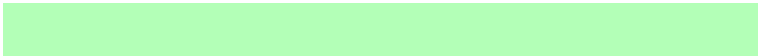
87, 117.901, 6.403

Sweetspot

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



87, 117.863, 136.381



94, 45.899, 144.008



95, 96.407, 105.996



49, 31.255, 143.612



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, 117.863, 136.381



88, 118.728, 136.378



88, 84.617, 151.318



52, 8.662, 145.618



68, 95.332, 136.506



22, 42.446, 137.978

Inverse Universe

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



59, 109.115, 330.955



59, 109.904, 330.957



54, 83.837, 7.841



50, 8.677, 326.693



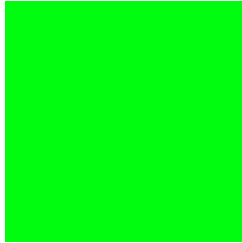
45, 88.597, 330.907



12, 41.002, 330.565

Previews

White Background



This preview shows how the CIELCh color 87, 117.901, 136.403 looks on a white background.

Color Contrast Check

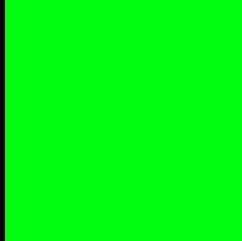
Large Text (above 18pt) WCAG AA × Fail

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, 117.901, 136.403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

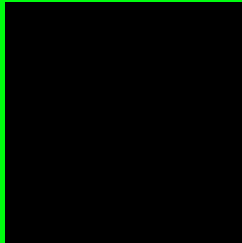
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

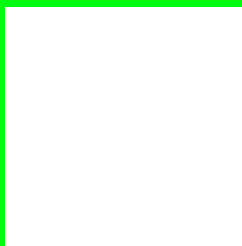
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 117.901, 136.403

Background



This preview shows how black text looks on a background with the CIELCh color 87, 117.901, 136.403.

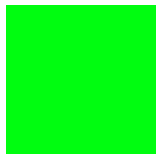


This preview shows how white text looks on a background with the CIELCh color 87, 117.901, 136.403.

Color Blindness Simulation

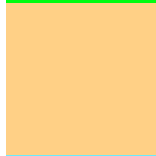
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

87, 118.004, 136.384



Deuteranopia

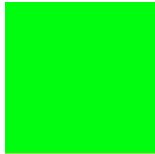
86, 43.488, 80.036



Tritanopia

87, 36.221, 213.391

Trichromacy



Original Color
87, 118.004, 136.384

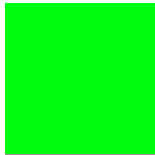


Deuteranomaly
83, 70.419, 125.226



Tritanomaly
85, 64.668, 158.769

Monochromacy



Original Color
87, 118.004, 136.384



Achromatopsia
62, 0.008, 296.813



Achromatomaly
69, 57.430, 142.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 117.901, 136.403 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, 253, 16)` looks like.

```
.text, #text, p{  
    color:rgb(0, 253, 16)  
}
```

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, 253, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 253, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 117.901, 136.403 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, 253, 16) }
```

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

```
.border{ border-color:rgb(0, 253, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 253, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 253, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 253, 16);  
box-shadow:4px 4px 4px 4px rgb(0, 253, 16)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 87, 117.901, 136.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 253, 16) }
```

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

```
.background{ background-color: rgb(0, 253,  
16) }
```

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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