

Converting Colors

CIELCh(87, 114.635, 137.515)

Have a look what the booklet for
CIELCh(87, 114.635, 137.515)
contains.

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Color

CIELCh(87, 114.517, 137.501)

Conversions

Conversions Part 1

Format	Color
Hex	02FC28
RGB	2, 252, 40
RGB Percent	1%, 99%, 16%
CMY	0.9907, 0.0104, 0.8412
CMYK	0.99, 0.00, 0.84, 0.01
HSL	129°, 98%, 50%
HSV	129°, 99%, 99%
XYZ	35.3383, 70.0064, 13.7009
YIQ	153.0820, -80.9480, -118.9320

Conversions

Conversions Part 2

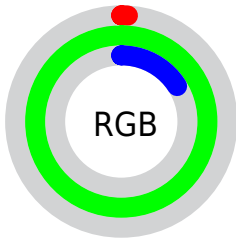
Format	Color
RYB	2, 219, 252
Decimal	195624
CIELab	87.00, -84.43, 77.37
CIELCh	87, 114.517, 137.501
Yxy	70.0064, 0.2968, 0.5881
Android (android.graphics.Color)	4278385704 (0xFF02FC28)
YUV	153.0820, -55.7494, -132.4989
Hunter-Lab	83.6698, -71.0319, 48.8602

Details

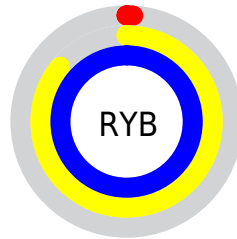
The CIELCh color **87, 114.517, 137.501** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **58, 101.493, 335.487**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 87.526, 137.740**, and **68, 97.132, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **87, 114.912, 137.401**, and if you desaturate by 10%, it is **87, 109.245, 138.833**.

Distribution



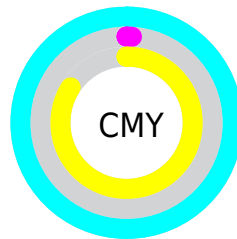
- Red (1%)
- Green (99%)
- Blue (16%)



- Red (1%)
- Yellow (86%)
- Blue (99%)



- Cyan (99%)
- Magenta (0%)
- Yellow (84%)
- Black (1%)





- Cyan (99%)
- Magenta (1%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 114.517, 137.501 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, 114.517, 137.501 by changing the saturation by 10% instead.


 87, 114.517,
137.501


 87, 114.517,
137.501


 100, 114.517,
137.501


 77, 114.517,
137.501


 67, 114.517,
137.501

 57, 114.517,
137.501


 47, 114.517,
137.501


 37, 114.517,
137.501


 27, 114.517,
137.501


 17, 114.517,


137.501


 7, 114.517,
137.501


 0, 114.517,
137.501


 87, 114.517,
137.501


 87, 114.517,
137.501

 87, 114.912,
137.401

 87, 109.245,
138.833

 88, 101.753,
140.337

 88, 92.263,
141.858

 89, 81.118,
143.299

■ 90, 68.686,
144.606

■ 91, 55.329,
145.760

■ 93, 41.383,
146.762

■ 95, 27.141,
147.625

■ 97, 12.839,
148.375

Harmonies

Complementary

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



87, 114.517, 137.501



58, 101.493, 335.487

Rectangle

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



87, 114.517, 137.501



87, 114.517, 187.501



87, 114.517, 317.501



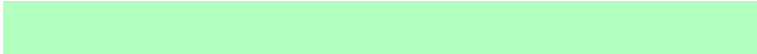
87, 114.517, 7.501

Sweetspot

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



87, 114.516, 137.502



94, 43.081, 146.672



94, 97.480, 112.003



49, 29.340, 146.261



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, 114.516, 137.502



88, 115.848, 137.394



88, 74.820, 157.847



51, 7.998, 148.344



67, 91.833, 137.641



22, 39.277, 140.057

Inverse Universe

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



58, 101.493, 335.487



58, 102.346, 335.567



54, 85.280, 17.145



49, 8.018, 329.470



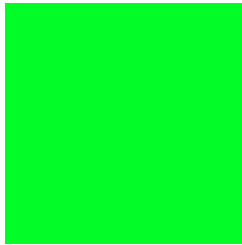
43, 81.789, 335.412



11, 37.558, 334.372

Previews

White Background



This preview shows how the CIELCh color 87, 114.517, 137.501 looks on a white background.

Color Contrast Check

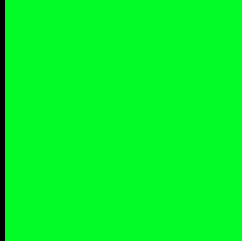
Large Text (above 18pt) WCAG AA × Fail

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, 114.517, 137.501 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

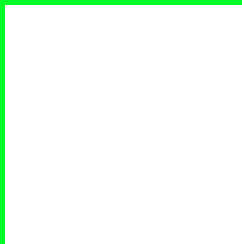
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 114.517, 137.501

Background



This preview shows how black text looks on a background with the CIELCh color 87, 114.517, 137.501.



This preview shows how white text looks on a background with the CIELCh color 87, 114.517, 137.501.

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, 114.480, 137.479

Protanopia

86, 82.843, 94.979

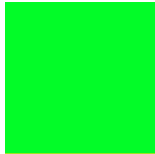
Deuteranopia

86, 43.027, 79.802



Tritanopia
87, 36.393, 213.303

Trichromacy



Original Color

87, 114.480, 137.479



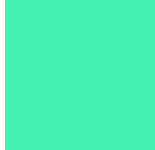
Protanomaly

84, 90.956, 122.030



Deuteranomaly

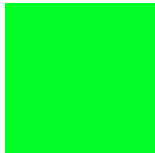
83, 66.226, 126.431



Tritanomaly

86, 61.294, 161.891

Monochromacy



Original Color

87, 114.480, 137.479



Achromatopsia

63, 0.008, 296.813



Achromatomaly

70, 53.394, 144.860

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 114.517, 137.501 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(2, 252, 40)` looks like.

```
.text, #text, p{  
    color:rgb(2, 252, 40)  
}
```

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(2, 252, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 252, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 114.517, 137.501 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(2, 252, 40) }
```

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

```
.border{ border-color:rgb(2, 252, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 252, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 252, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 252, 40);  
box-shadow:4px 4px 4px 4px rgb(2, 252, 40)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 87, 114.517, 137.501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 252, 40) }
```

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

```
.background{ background-color: rgb(2, 252,  
40) }
```

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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