

Converting Colors

CIELCh(87, 117.422, 135.189)

Have a look what the booklet for
CIELCh(87, 117.422, 135.189)
contains.

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Color

CIELCh(87, 117.401, 135.202)

Conversions

Conversions Part 1

Format	Color
Hex	29FC00
RGB	41, 252, 0
RGB Percent	16%, 99%, 0%
CMY	0.8404, 0.0122, 1.0000
CMYK	0.84, 0.00, 1.00, 0.01
HSL	110°, 100%, 49%
HSV	110°, 100%, 99%
XYZ	35.6711, 70.0064, 11.6193
YIQ	160.1830, -44.8640, -123.1040

Conversions

Conversions Part 2

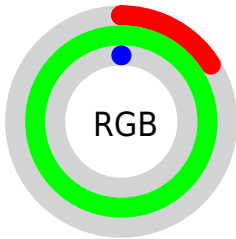
Format	Color
RYB	0, 252, 211
Decimal	2751488
CIELab	87.00, -83.31, 82.72
CIELCh	87, 117.401, 135.202
Yxy	70.0064, 0.3041, 0.5968
Android (android.graphics.Color)	4280941568 (0xFF29FC00)
YUV	160.1830, -78.9702, -104.5235
Hunter-Lab	83.6698, -70.3220, 50.3352

Details

The CIELCh color **87, 117.401, 135.202** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **53, 116.108, 321.963**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 90.899, 134.341**, and **68, 97.507, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **87, 117.373, 135.212**, and if you desaturate by 10%, it is **87, 113.887, 134.945**.

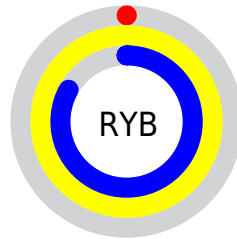
Distribution



Red (16%)

Green (99%)

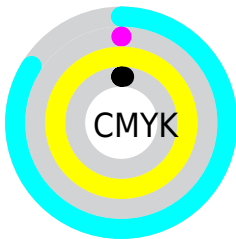
Blue (0%)



Red (0%)

Yellow (99%)

Blue (83%)

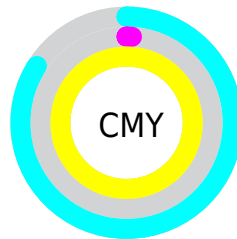


Cyan (84%)

Magenta (0%)

Yellow (100%)

Black (1%)



Cyan (84%)

Magenta (1%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 117.401, 135.202 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, 117.401, 135.202 by changing the saturation by 10% instead.

■ 87, 117.401,
135.202

■ 87, 117.401,
135.202

■ 100, 117.401,
135.202

■ 77, 117.401,
135.202

■ 67, 117.401,
135.202

■ 57, 117.401,
135.202

■ 47, 117.401,
135.202

■ 37, 117.401,
135.202

■ 27, 117.401,
135.202

■ 17, 117.401,

135.202

■ 7, 117.401,
135.202

■ 0, 117.401,
135.202

■ 87, 117.401,
135.202

■ 87, 117.401,
135.202

■ 87, 117.373,
135.212

■ 87, 113.887,
134.945

■ 88, 107.539,
135.010

■ 88, 98.345,
135.427

■ 89, 86.900,
136.069

■ 90, 73.854,
136.810

■ 92, 59.761,
137.559

■ 93, 45.048,
138.266

■ 95, 30.034,
138.907

■ 97, 14.958,
139.477

Harmonies

Complementary

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



87, 117.401, 135.202



53, 116.108, 321.963

Rectangle

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



87, 117.401, 135.202



87, 117.401, 185.202



87, 117.401, 315.202



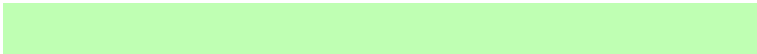
87, 117.401, 5.202

Sweetspot

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



87, 117.373, 135.212



94, 45.499, 138.265



85, 85.899, 90.443



50, 30.997, 137.974



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, 117.373, 135.212



88, 118.482, 135.217



87, 103.517, 141.790



51, 8.446, 139.505



67, 94.304, 135.077



22, 41.186, 134.731

Inverse Universe

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



53, 116.108, 321.963



53, 117.199, 321.959



56, 89.281, 347.917



49, 8.485, 320.365



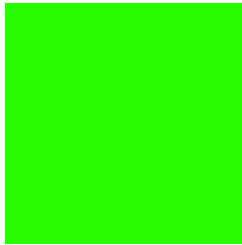
39, 93.422, 322.066



9, 42.162, 322.810

Previews

White Background



This preview shows how the CIELCh color 87, 117.401, 135.202 looks on a white background.

Color Contrast Check

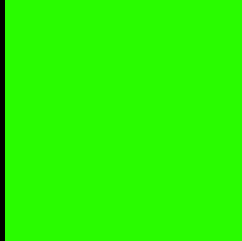
Large Text (above 18pt) WCAG AA × Fail

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, 117.401, 135.202 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

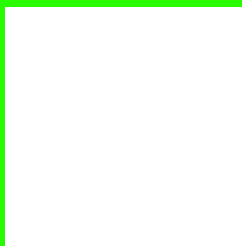
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 117.401, 135.202

Background



This preview shows how black text looks on a background with the CIELCh color 87, 117.401, 135.202.

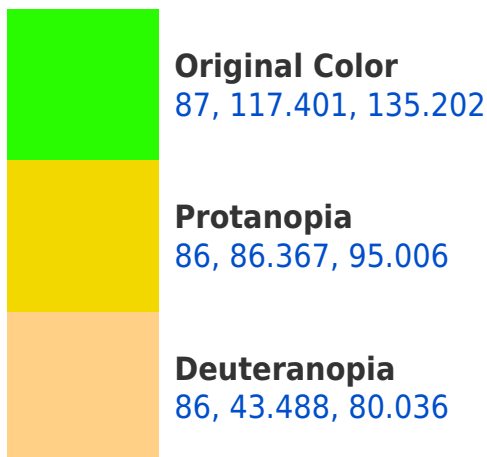


This preview shows how white text looks on a background with the CIELCh color 87, 117.401, 135.202.

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](#).

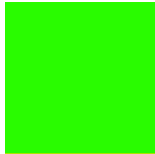
Dichromacy





Tritanopia
87, 35.133, 213.974

Trichromacy



Original Color
87, 117.401, 135.202



Protanomaly
84, 93.280, 118.175

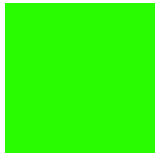


Deuteranomaly
84, 70.809, 120.153



Tritanomaly
86, 64.562, 155.371

Monochromacy



Original Color
87, 117.401, 135.202



Achromatopsia
66, 0.008, 296.813



Achromatomaly
71, 56.327, 137.001

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 117.401, 135.202 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(41, 252, 0)` looks like.

```
.text, #text, p{  
    color:rgb(41, 252, 0)  
}
```

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(41, 252, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 252, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 117.401, 135.202 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(41, 252, 0) }
```

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

```
.border{ border-color:rgb(41, 252, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 252, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 252, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 252, 0);  
box-shadow:4px 4px 4px 4px rgb(41, 252, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 87, 117.401, 135.202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 252, 0) }
```

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

```
.background{ background-color: rgb(41, 252,  
0) }
```

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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