

Converting Colors

CIELCh(87, 118.917, 135.921)

Have a look what the booklet for
CIELCh(87, 118.917, 135.921)
contains.

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Color

CIELCh(87, 118.975, 135.961)

Conversions

Conversions Part 1

Format	Color
Hex	02FD00
RGB	2, 253, 0
RGB Percent	1%, 99%, 0%
CMY	0.9917, 0.0094, 1.0000
CMYK	0.99, 0.00, 1.00, 0.01
HSL	119°, 100%, 50%
HSV	119°, 100%, 99%
XYZ	35.0164, 70.0064, 11.6254
YIQ	149.1090, -68.3830, -131.8950

Conversions

Conversions Part 2

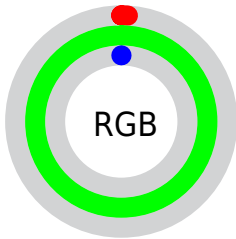
Format	Color
RYB	0, 253, 251
Decimal	195840
CIELab	87.00, -85.53, 82.71
CIELCh	87, 118.975, 135.961
Yxy	70.0064, 0.3002, 0.6001
Android (android.graphics.Color)	4278385920 (0xFF02FD00)
YUV	149.1090, -73.5107, -129.0146
Hunter-Lab	83.6698, -71.7187, 50.3309

Details

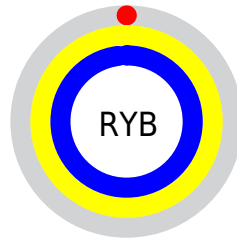
The CIELCh color **87, 118.975, 135.961** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **59, 114.781, 327.896**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 92.273, 135.581**, and **68, 97.507, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **87, 118.885, 135.993**, and if you desaturate by 10%, it is **87, 116.259, 136.309**.

Distribution



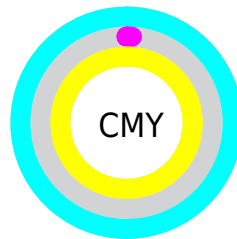
- Red (1%)
- Green (99%)
- Blue (0%)



- Red (0%)
- Yellow (99%)
- Blue (98%)



- Cyan (99%)
- Magenta (0%)
- Yellow (100%)
- Black (1%)





- Cyan (99%)
- Magenta (1%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 118.975, 135.961 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, 118.975, 135.961 by changing the saturation by 10% instead.


 87, 118.975,
135.961


 87, 118.975,
135.961


 100, 118.975,
135.961


 77, 118.975,
135.961


 67, 118.975,
135.961

 57, 118.975,
135.961

 47, 118.975,
135.961

 37, 118.975,
135.961

 27, 118.975,
135.961

 17, 118.975,

135.961

■ 7, 118.975,
135.961

■ 0, 118.975,
135.961

■ 87, 118.975,
135.961

■ 87, 118.975,
135.961

■ 87, 118.885,
135.993

■ 87, 116.259,
136.309

■ 87, 110.637,
136.962

■ 88, 101.893,
137.915

■ 89, 90.573,
139.017

■ 90, 77.335,
140.136

■ 91, 62.780,
141.185

■ 93, 47.411,
142.124

■ 95, 31.631,
142.943

■ 97, 15.747,
143.649

Harmonies

Complementary

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



87, 118.975, 135.961



59, 114.781, 327.896

Rectangle

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



87, 118.975, 135.961



87, 118.975, 185.961



87, 118.975, 315.961



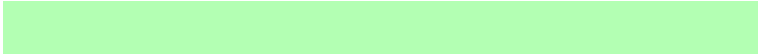
87, 118.975, 5.961

Sweetspot

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



87, 118.885, 135.993



94, 47.776, 142.123



95, 95.010, 101.778



49, 32.527, 141.741



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, 118.885, 135.993



88, 119.740, 135.993



88, 90.829, 147.845



52, 9.019, 143.682



68, 96.431, 135.983



22, 43.756, 136.661

Inverse Universe

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



59, 114.781, 327.896



60, 115.607, 327.896



54, 84.248, 1.304



50, 9.033, 324.720



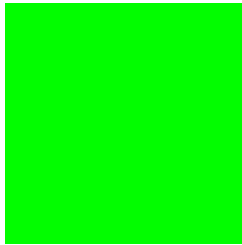
45, 93.114, 327.902



12, 42.835, 327.942

Previews

White Background



This preview shows how the CIELCh color 87, 118.975, 135.961 looks on a white background.

Color Contrast Check

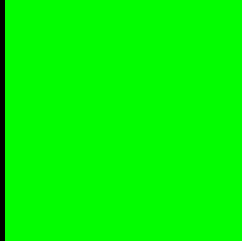
Large Text (above 18pt) WCAG AA × Fail

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, 118.975, 135.961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

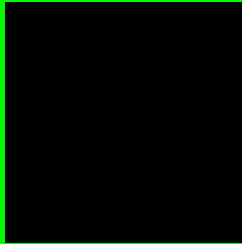
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

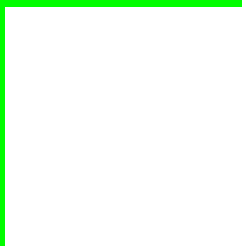
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 118.975, 135.961

Background



This preview shows how black text looks on a background with the CIELCh color 87, 118.975, 135.961.



This preview shows how white text looks on a background with the CIELCh color 87, 118.975, 135.961.

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, 119.029, 135.994

Protanopia

86, 86.367, 95.006

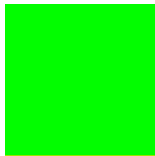
Deuteranopia

86, 43.488, 80.036



Tritanopia
87, 36.221, 213.391

Trichromacy



Original Color

87, 119.029, 135.994



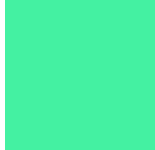
Protanomaly

83, 95.041, 121.186



Deuteranomaly

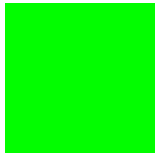
83, 72.611, 124.152



Tritanomaly

85, 66.401, 157.061

Monochromacy



Original Color

87, 119.029, 135.994



Achromatopsia

62, 0.008, 296.813



Achromatomaly

69, 59.749, 140.270

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 118.975, 135.961 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, 253, 0)` looks like.

```
.text, #text, p{  
    color:rgb(2, 253, 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(2, 253, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 87, 118.975, 135.961 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, 253, 0) }
```

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

```
.border{ border-color:rgb(2, 253, 0) }
```

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

Here you see how a box with a 4 pixel rgb(2, 253, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 253, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 253, 0); box-shadow:4px  
4px 4px 4px rgb(2, 253, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 118.975, 135.961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 253, 0) }
```

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

```
.background{ background-color: rgb(2, 253,  
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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