

Converting Colors

CIELCh(88, 117.525, 136.798)

Have a look what the booklet for
CIELCh(88, 117.525, 136.798)
contains.

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Color

CIELCh(88, 117.247, 136.809)

Conversions

Conversions Part 1

Format	Color
Hex	09FF1E
RGB	9, 255, 30
RGB Percent	4%, 100%, 12%
CMY	0.9631, 0.0000, 0.8819
CMYK	0.96, 0.00, 0.88, 0.00
HSL	125°, 100%, 52%
HSV	125°, 96%, 100%
XYZ	36.3085, 72.0653, 13.2312
YIQ	155.7960, -74.3910, -122.1270

Conversions

Conversions Part 2

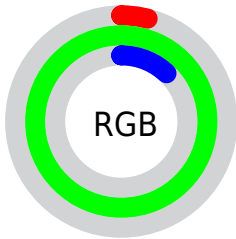
Format	Color
RYB	9, 236, 255
Decimal	655134
CIELab	88.00, -85.48, 80.25
CIELCh	88, 117.247, 136.809
Yxy	72.0653, 0.2986, 0.5926
Android (android.graphics.Color)	4278845214 (0xFF09FF1E)
YUV	155.7960, -62.0174, -128.7401
Hunter-Lab	84.8913, -72.2142, 50.1829

Details

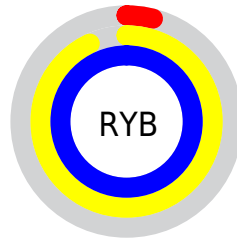
The CIELCh color **88, 117.247, 136.809** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **59, 107.667, 331.830**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 89.007, 136.713**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 118.218, 136.555**, and if you desaturate by 10%, it is **88, 111.990, 137.830**.

Distribution



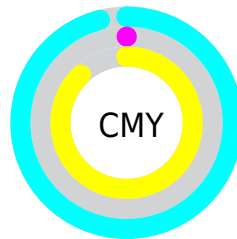
- Red (4%)
- Green (100%)
- Blue (12%)



- Red (4%)
- Yellow (93%)
- Blue (100%)



- Cyan (96%)
- Magenta (0%)
- Yellow (88%)
- Black (0%)




- Cyan (96%)
- Magenta (0%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 117.247, 136.809 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 88, 117.247, 136.809 by changing the saturation by 10% instead.


 88, 117.247,
136.809


 88, 117.247,
136.809


 100, 117.247,
136.809


 78, 117.247,
136.809


 68, 117.247,
136.809

 58, 117.247,
136.809


 48, 117.247,
136.809


 38, 117.247,
136.809


 28, 117.247,
136.809


 18, 117.247,


136.809


 8, 117.247,
136.809


 0, 117.247,
136.809

 88, 117.247,
136.809


 88, 117.247,
136.809

 88, 118.218,
136.555

 88, 111.990,
137.830

 88, 104.253,
139.079

 89, 94.166,
140.417

 90, 82.207,
141.726

■ 91, 68.857,
142.936

■ 93, 54.557,
144.012

■ 94, 39.690,
144.949

■ 96, 24.571,
145.755

■ 98, 9.450, 146.460

Harmonies

Complementary

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



88, 117.247, 136.809



59, 107.667, 331.830

Rectangle

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



88, 117.247, 136.809



88, 117.247, 186.809



88, 117.247, 316.809



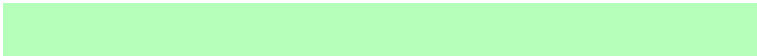
88, 117.247, 6.809

Sweetspot

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



88, 117.018, 136.814



94, 43.723, 144.710



96, 96.745, 107.949



49, 29.953, 144.312



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 117.018, 136.814



88, 118.218, 136.555



89, 80.441, 154.099



52, 8.533, 146.242



68, 94.862, 136.710



22, 41.979, 138.408

Inverse Universe

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



59, 107.667, 331.830



59, 108.027, 331.981



55, 83.945, 9.307



50, 8.549, 327.327



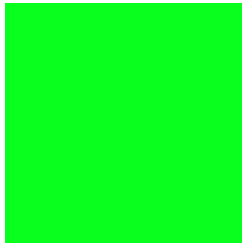
45, 87.110, 331.911



12, 40.396, 331.432

Previews

White Background



This preview shows how the CIELCh color 88, 117.247, 136.809 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 88, 117.247, 136.809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

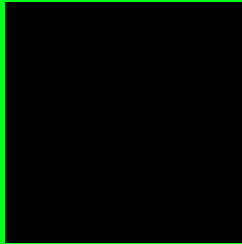
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

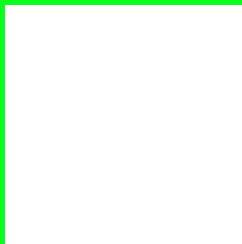
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 117.247, 136.809

Background



This preview shows how black text looks on a background with the CIELCh color 88, 117.247, 136.809.

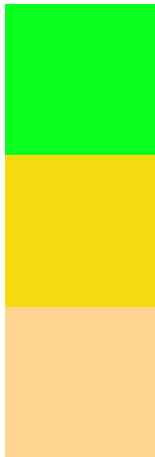


This preview shows how white text looks on a background with the CIELCh color 88, 117.247, 136.809.

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

88, 117.041, 136.813

Protanopia

87, 85.599, 94.776

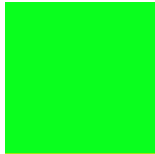
Deuteranopia

87, 39.522, 79.882



Tritanopia
87, 34.988, 214.035

Trichromacy



Original Color
88, 117.041, 136.813



Protanomaly
84, 93.313, 120.922

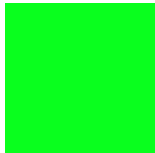


Deuteranomaly
84, 66.552, 126.296

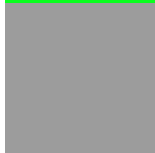


Tritanomaly
86, 62.377, 159.760

Monochromacy



Original Color
88, 117.041, 136.813



Achromatopsia
64, 0.008, 296.813



Achromatomaly
71, 55.006, 142.861

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 117.247, 136.809 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(9, 255, 30)` looks like.

```
.text, #text, p{  
    color:rgb(9, 255, 30)  
}
```

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(9, 255, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 255, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 117.247, 136.809 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(9, 255, 30) }
```

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

```
.border{ border-color:rgb(9, 255, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 255, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 255, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 255, 30);  
box-shadow:4px 4px 4px 4px rgb(9, 255, 30)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 88, 117.247, 136.809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 255, 30) }
```

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

```
.background{ background-color: rgb(9, 255,  
30) }
```

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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