

Converting Colors

CIELCh(87, 110.706, 138.712)

Have a look what the booklet for
CIELCh(87, 110.706, 138.712)
contains.

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Color

CIELCh(87, 110.790, 138.685)

Conversions

Conversions Part 1

Format	Color
Hex	0BFC39
RGB	11, 252, 57
RGB Percent	4%, 99%, 22%
CMY	0.9561, 0.0116, 0.7763
CMYK	0.96, 0.00, 0.77, 0.01
HSL	131°, 98%, 52%
HSV	131°, 96%, 99%
XYZ	35.6989, 70.0064, 15.5062
YIQ	157.7110, -81.0410, -111.7370

Conversions

Conversions Part 2

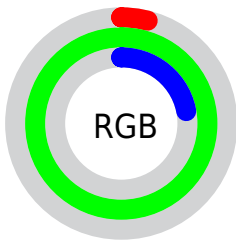
Format	Color
RYB	11, 213, 252
Decimal	785465
CIELab	87.00, -83.21, 73.14
CIElCh	87, 110.790, 138.685
Yxy	70.0064, 0.2945, 0.5776
Android (android.graphics.Color)	4278975545 (0xFF0BFC39)
YUV	157.7110, -49.6505, -128.6655
Hunter-Lab	83.6698, -70.2626, 47.5809

Details

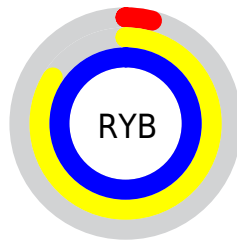
The CIELCh color **87, 110.790, 138.685** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **57, 98.379, 337.325**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 83.103, 139.740**, and **68, 97.507, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **87, 113.004, 138.061**, and if you desaturate by 10%, it is **87, 104.435, 140.285**.

Distribution



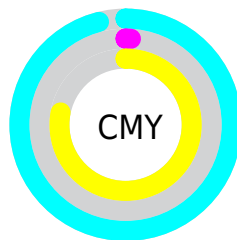
- Red (4%)
- Green (99%)
- Blue (22%)



- Red (4%)
- Yellow (84%)
- Blue (99%)



- Cyan (96%)
- Magenta (0%)
- Yellow (77%)
- Black (1%)





- Cyan (96%)
- Magenta (1%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 110.790, 138.685 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, 110.790, 138.685 by changing the saturation by 10% instead.


 87, 110.790,
138.685


 87, 110.790,
138.685


 100, 110.790,
138.685

 77, 110.790,
138.685


 67, 110.790,
138.685

 57, 110.790,
138.685

 47, 110.790,
138.685

 37, 110.790,
138.685

 27, 110.790,
138.685

 17, 110.790,

138.685

■ 7, 110.790,
138.685

■ 0, 110.790,
138.685

■ 87, 110.790,
138.685

■ 87, 110.790,
138.685

■ 87, 113.004,
138.061

■ 87, 104.435,
140.285

■ 88, 96.143,
141.926

■ 88, 86.156,
143.500

■ 89, 74.768,
144.942

■ 91, 62.303,
146.224

■ 92, 49.081,
147.343

■ 94, 35.401,
148.311

■ 96, 21.519,
149.147

■ 98, 7.644, 149.890

Harmonies

Complementary

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



87, 110.790, 138.685



57, 98.379, 337.325

Rectangle

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



87, 110.790, 138.685



87, 110.790, 188.685



87, 110.790, 318.685



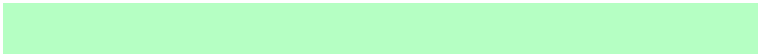
87, 110.790, 8.685

Sweetspot

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



87, 110.790, 138.686



94, 40.522, 147.993



93, 97.323, 113.650



49, 27.761, 147.576



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, 110.790, 138.686



88, 114.037, 138.051



88, 70.519, 161.082



51, 7.783, 149.603



67, 90.311, 138.340



22, 38.478, 140.911

Inverse Universe

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



57, 98.379, 337.325



58, 99.393, 337.803



54, 85.007, 18.313



49, 7.806, 330.758



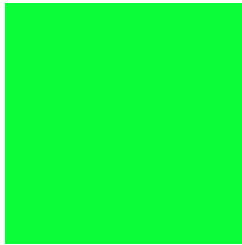
43, 79.466, 337.593



11, 36.612, 336.193

Previews

White Background



This preview shows how the CIELCh color 87, 110.790, 138.685 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, 110.790, 138.685 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

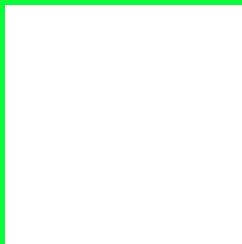
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 110.790, 138.685

Background



This preview shows how black text looks on a background with the CIELCh color 87, 110.790, 138.685.

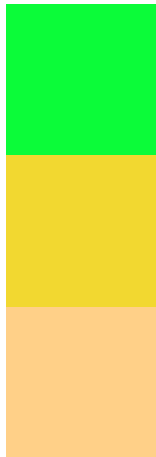


This preview shows how white text looks on a background with the CIELCh color 87, 110.790,

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, 110.790, 138.685

Protanopia

86, 78.635, 95.232

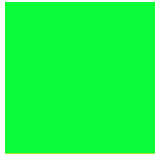
Deuteranopia

86, 42.567, 79.562



Tritanopia
87, 36.393, 213.303

Trichromacy



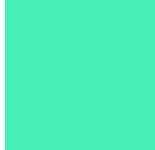
Original Color
87, 110.790, 138.685



Protanomaly
84, 86.834, 122.670

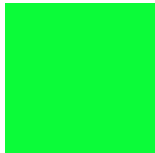


Deuteranomaly
83, 63.268, 126.517



Tritanomaly
86, 58.819, 164.010

Monochromacy



Original Color
87, 110.790, 138.685



Achromatopsia
65, 0.008, 296.813



Achromatomaly
71, 49.977, 146.132

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 110.790, 138.685 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(11, 252, 57)` looks like.

```
.text, #text, p{  
    color:rgb(11, 252, 57)  
}
```

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(11, 252, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 252, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 110.790, 138.685 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(11, 252, 57) }
```

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

```
.border{ border-color:rgb(11, 252, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 252, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 252, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 252, 57);  
box-shadow:4px 4px 4px 4px rgb(11, 252,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 110.790, 138.685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 252, 57) }
```

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

```
.background{ background-color: rgb(11, 252,  
57) }
```

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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