

Converting Colors

CIELCh(84, 112.277, 136.310)

Have a look what the booklet for
CIELCh(84, 112.277, 136.310)
contains.

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Color

CIELCh(84, 112.116, 136.322)

Conversions

Conversions Part 1

Format	Color
Hex	1EF21B
RGB	30, 242, 27
RGB Percent	12%, 95%, 11%
CMY	0.8821, 0.0496, 0.8954
CMYK	0.88, 0.00, 0.89, 0.05
HSL	119°, 90%, 53%
HSV	119°, 89%, 95%
XYZ	32.5867, 64.0658, 11.6640
YIQ	154.1020, -57.3370, -111.8090

Conversions

Conversions Part 2

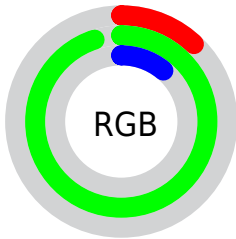
Format	Color
RYB	27, 242, 239
Decimal	2028059
CIELab	84.00, -81.09, 77.43
CIELCh	84, 112.116, 136.322
Yxy	64.0658, 0.3008, 0.5915
Android (android.graphics.Color)	4280218139 (0xFF1EF21B)
YUV	154.1020, -62.6613, -108.8375
Hunter-Lab	80.0411, -67.4001, 47.3887

Details

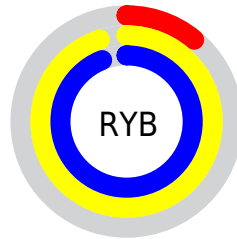
The CIELCh color **84, 112.116, 136.322** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **58, 108.764, 327.579**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 89.908, 136.143**, and **65, 93.739, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **84, 114.968, 135.998**, and if you desaturate by 10%, it is **84, 106.263, 136.987**.

Distribution



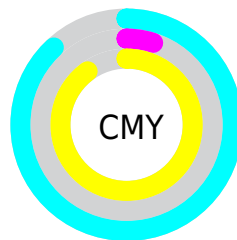
- Red (12%)
- Green (95%)
- Blue (11%)



- Red (11%)
- Yellow (95%)
- Blue (94%)



- Cyan (88%)
- Magenta (0%)
- Yellow (89%)
- Black (5%)





- Cyan (88%)
- Magenta (5%)
- Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 112.116, 136.322 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 84, 112.116, 136.322 by changing the saturation by 10% instead.


 84, 112.116,
136.322


 84, 112.116,
136.322


 100, 112.116,
136.322


 74, 112.116,
136.322


 64, 112.116,
136.322

 54, 112.116,
136.322

 44, 112.116,
136.322

 34, 112.116,
136.322

 24, 112.116,
136.322

 14, 112.116,

136.322

■ 4, 112.116,
136.322

■ 0, 112.116,
136.322

■ 84, 112.116,
136.322

■ 84, 112.116,
136.322

■ 84, 114.968,
135.998

■ 84, 106.263,
136.987

■ 84, 115.178,
135.969

■ 85, 97.455,
137.934

■ 86, 86.251,
139.018

■ 87, 73.283,
140.109

■ 88, 59.117,
141.130

■ 90, 44.225,
142.042

■ 91, 28.976,
142.836

■ 94, 13.658,
143.524

■ 96, 1.520, 323.882

Harmonies

Complementary

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



84, 112.116, 136.322



58, 108.764, 327.579

Rectangle

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



84, 112.116, 136.322



84, 112.116, 186.322



84, 112.116, 316.322



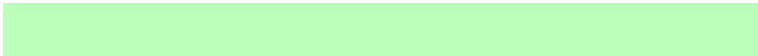
84, 112.116, 6.322

Sweetspot

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



84, 112.115, 136.323



94, 42.930, 142.204



92, 89.616, 102.068



50, 28.900, 141.912



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 112.115, 136.323



88, 119.706, 135.972



85, 82.047, 150.391



50, 8.700, 143.492



66, 94.468, 135.951



20, 40.959, 137.161

Inverse Universe

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



58, 108.764, 327.579



60, 115.646, 327.597



54, 80.346, 356.968



48, 8.715, 324.515



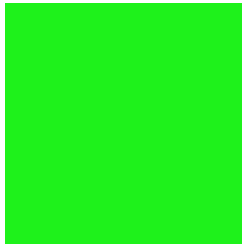
44, 91.289, 327.609



11, 40.584, 327.691

Previews

White Background



This preview shows how the CIE LCh color 84, 112.116, 136.322 looks on a white background.

Color Contrast Check

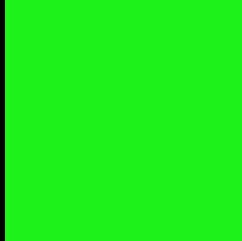
Large Text (above 18pt) WCAG AA × Fail

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 84, 112.116, 136.322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

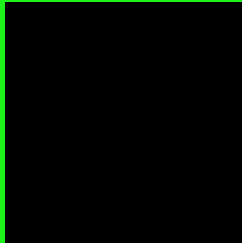
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 112.116, 136.322

Background



This preview shows how black text looks on a background with the CIELCh color 84, 112.116, 136.322.



This preview shows how white text looks on a background with the CIELCh color 84, 112.116, 136.322.

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


84, 111.940, 136.342

Protanopia

83, 82.962, 95.018

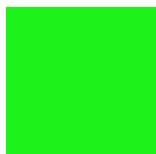
Deuteranopia

83, 60.663, 81.067

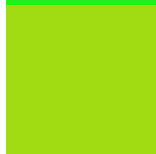


Tritanopia
84, 34.404, 214.461

Trichromacy



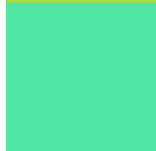
Original Color
84, 111.940, 136.342



Protanomaly
81, 89.246, 119.066

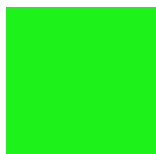


Deuteranomaly
80, 72.785, 117.589

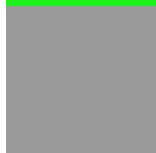


Tritanomaly
83, 58.918, 159.519

Monochromacy



Original Color
84, 111.940, 136.342



Achromatopsia
64, 0.008, 296.813



Achromatomaly
69, 51.198, 140.972

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 112.116, 136.322 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(30, 242, 27)` looks like.

```
.text, #text, p{  
    color:rgb(30, 242, 27)  
}
```

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(30, 242, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 242, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 112.116, 136.322 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(30, 242, 27) }
```

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

```
.border{ border-color:rgb(30, 242, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 242, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 242, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 242, 27);  
box-shadow:4px 4px 4px 4px rgb(30, 242,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 112.116, 136.322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 242, 27) }
```

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

```
.background{ background-color: rgb(30, 242,  
27) }
```

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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