

Converting Colors

CIELCh(84, 113.663, 136.173)

Have a look what the booklet for
CIELCh(84, 113.663, 136.173)
contains.

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Color

CIELCh(84, 113.823, 136.172)

Conversions

Conversions Part 1

Format	Color
Hex	12F310
RGB	18, 243, 16
RGB Percent	7%, 95%, 6%
CMY	0.9275, 0.0484, 0.9367
CMYK	0.92, 0.00, 0.93, 0.05
HSL	119°, 90%, 51%
HSV	119°, 93%, 95%
XYZ	32.3003, 64.0658, 11.1579
YIQ	149.8470, -61.2330, -118.2970

Conversions

Conversions Part 2

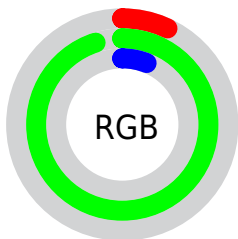
Format	Color
R _Y B	16, 243, 241
Decimal	1241872
CIE Lab	84.00, -82.11, 78.82
CIE LCh	84, 113.823, 136.172
Yxy	64.0658, 0.3004, 0.5958
Android (android.graphics.Color)	4279431952 (0xFF12F310)
YUV	149.8470, -65.9866, -115.6298
Hunter-Lab	80.0411, -68.0389, 47.7636

Details

The CIELCh color **84, 113.823, 136.172** 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 **57, 110.132, 327.801**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 91.744, 135.982**, and **66, 94.118, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **84, 115.314, 135.985**, and if you desaturate by 10%, it is **84, 109.374, 136.700**.

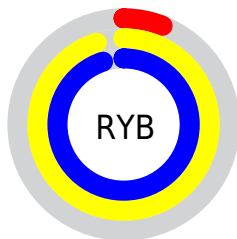
Distribution



Red (7%)

Green (95%)

Blue (6%)



Red (6%)

Yellow (95%)

Blue (95%)

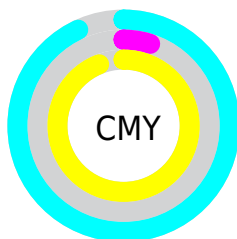


Cyan (92%)

Magenta (0%)

Yellow (93%)

Black (5%)



Cyan (93%)


Magenta (5%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 113.823, 136.172 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, 113.823, 136.172 by changing the saturation by 10% instead.


 84, 113.823,
136.172


 84, 113.823,
136.172


 100, 113.823,
136.172


 74, 113.823,
136.172


 64, 113.823,
136.172

 54, 113.823,
136.172

 44, 113.823,
136.172

 34, 113.823,
136.172

 24, 113.823,
136.172

 14, 113.823,

136.172

■ 4, 113.823,
136.172

■ 0, 113.823,
136.172

■ 84, 113.823,
136.172

■ 84, 113.823,
136.172

■ 84, 115.314,
135.985

■ 84, 109.374,
136.700

■ 85, 101.818,
137.562

■ 85, 91.585,
138.623

■ 86, 79.300,
139.740

■ 88, 65.570,
140.811

■ 89, 50.911,
141.783

■ 91, 35.738,
142.636

■ 93, 20.378,
143.373

■ 95, 5.075, 144.039

Harmonies

Complementary

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



84, 113.823, 136.172



57, 110.132, 327.801

Rectangle

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



84, 113.823, 136.172



84, 113.823, 186.172



84, 113.823, 316.172



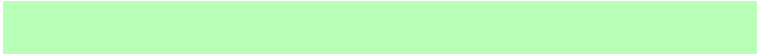
84, 113.823, 6.172

Sweetspot

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



84, 113.822, 136.173



94, 44.588, 142.248



92, 90.966, 101.935



49, 30.734, 141.869



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, 113.822, 136.173



88, 119.731, 135.987



85, 84.559, 149.409



50, 8.716, 143.632



66, 94.497, 135.973



20, 41.005, 137.242

Inverse Universe

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



57, 110.132, 327.801



60, 115.617, 327.814



53, 81.156, 358.554



48, 8.730, 324.663



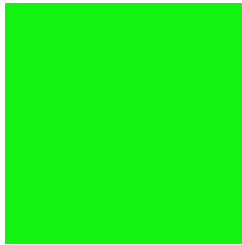
44, 91.267, 327.822



11, 40.576, 327.876

Previews

White Background



This preview shows how the CIELCh color 84, 113.823, 136.172 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, 113.823, 136.172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

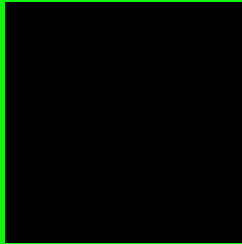
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

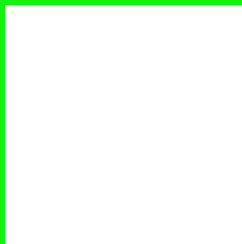
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 113.823, 136.172

Background



This preview shows how black text looks on a background with the CIELCh color 84, 113.823, 136.172.



This preview shows how white text looks on a background with the CIELCh color 84, 113.823, 136.172.

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

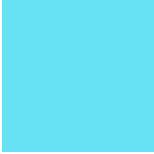
84, 113.974, 136.177

Protanopia

83, 83.951, 95.024

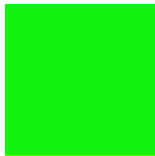
Deuteranopia

83, 60.663, 81.067



Tritanopia
84, 34.924, 213.232

Trichromacy



Original Color

84, 113.974, 136.177



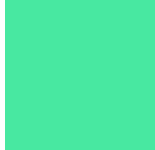
Protanomaly

81, 91.176, 119.887



Deuteranomaly

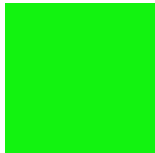
80, 74.610, 118.417



Tritanomaly

83, 61.723, 158.326

Monochromacy



Original Color

84, 113.974, 136.177



Achromatopsia

62, 0.008, 296.813



Achromatomaly

68, 54.392, 140.675

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 113.823, 136.172 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(18, 243, 16)` looks like.

```
.text, #text, p{  
    color:rgb(18, 243, 16)  
}
```

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(18, 243, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 243, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 113.823, 136.172 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(18, 243, 16) }
```

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

```
.border{ border-color:rgb(18, 243, 16) }
```

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

Here you see how a box with a 4 pixel rgb(18, 243, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 243, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 243, 16);  
box-shadow:4px 4px 4px 4px rgb(18, 243,  
16) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 113.823, 136.172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 243, 16) }
```

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

```
.background{ background-color: rgb(18, 243,  
16) }
```

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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