

Converting Colors

CIELCh(84, 82.821, 149.851)

Have a look what the booklet for
CIELCh(84, 82.821, 149.851)
contains.

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Color

CIELCh(84, 82.629, 149.932)

Conversions

Conversions Part 1

Format	Color
Hex	15F07F
RGB	21, 240, 127
RGB Percent	8%, 94%, 50%
CMY	0.9164, 0.0585, 0.5017
CMYK	0.91, 0.00, 0.47, 0.06
HSL	149°, 88%, 51%
HSV	149°, 91%, 94%
XYZ	35.3358, 64.0658, 30.6074
YIQ	161.6370, -94.2510, -81.5710

Conversions

Conversions Part 2

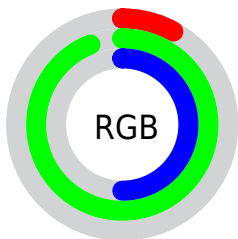
Format	Color
R _Y B	21, 169, 240
Decimal	1437823
CIE Lab	84.00, -71.51, 41.40
CIE LCh	84, 82.629, 149.932
Yxy	64.0658, 0.2718, 0.4928
Android (android.graphics.Color)	4279627903 (0xFF15F07F)
YUV	161.6370, -17.0760, -123.3386
Hunter-Lab	80.0411, -61.2694, 33.3565

Details

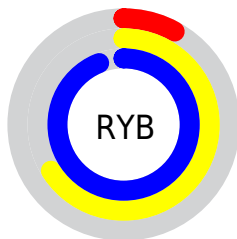
The CIELCh color **84, 82.629, 149.932** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **53, 80.174, 357.712**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 59.577, 156.147**, and **65, 75.206, 145.169** is the 20% darker color. If you saturate the color by 10%, you get **84, 87.269, 147.918**, and if you desaturate by 10%, it is **84, 76.608, 152.093**.

Distribution



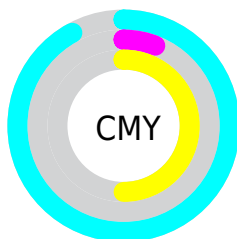
- Red (8%)
- Green (94%)
- Blue (50%)



- Red (8%)
- Yellow (66%)
- Blue (94%)



- Cyan (91%)
- Magenta (0%)
- Yellow (47%)
- Black (6%)





- Cyan (92%)
- Magenta (6%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 82.629, 149.932 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, 82.629, 149.932 by changing the saturation by 10% instead.


 84, 82.629,
149.932

 84, 82.629,
149.932


 100, 82.629,
149.932


 74, 82.629,
149.932

 64, 82.629,
149.932

 54, 82.629,
149.932

 44, 82.629,
149.932

 34, 82.629,
149.932

 24, 82.629,
149.932

 14, 82.629,

149.932

■ 4, 82.629, 149.932

■ 0, 82.629, 149.932

■ 84, 82.629,
149.932

■ 84, 82.629,
149.932

■ 84, 87.269,
147.918

■ 84, 76.608,
152.093

■ 85, 69.588,
154.049

■ 86, 61.591,
155.790

■ 87, 52.720,
157.324

■ 88, 43.131,

158.674

■ 89, 33.008,
159.864

■ 91, 22.536,
160.921

■ 93, 11.881,
161.876

■ 95, 1.188, 163.065

Harmonies

Complementary

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



84, 82.629, 149.932



53, 80.174, 357.712

Rectangle

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



84, 82.629, 149.932



84, 82.629, 199.932



84, 82.629, 329.932



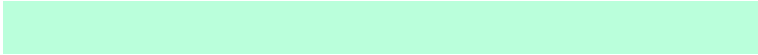
84, 82.629, 19.932

Sweetspot

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



84, 82.629, 149.932



95, 30.162, 160.305



86, 100.679, 126.733



50, 20.274, 159.932



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, 82.629, 149.932



88, 91.497, 147.838



86, 47.877, 194.052



49, 6.062, 162.027



66, 70.746, 148.338



20, 28.625, 152.105

Inverse Universe

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



53, 80.174, 357.712



55, 84.849, 1.337



51, 94.124, 37.271



47, 6.134, 343.510



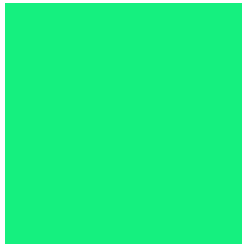
40, 66.423, 0.413



8, 29.606, 354.297

Previews

White Background



This preview shows how the CIE LCh color 84, 82.629, 149.932 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, 82.629, 149.932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

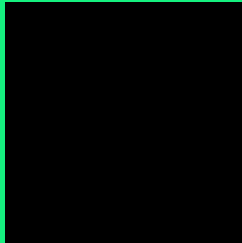
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 82.629, 149.932

Background



This preview shows how black text looks on a background with the CIELCh color 84, 82.629, 149.932.

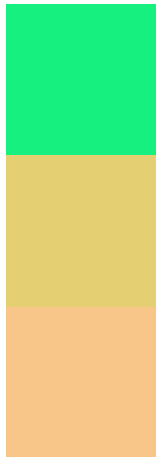


This preview shows how white text looks on a background with the CIELCh color 84, 82.629, 149.932.

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, 82.629, 149.932

Protanopia

83, 48.598, 95.957

Deuteranopia

83, 38.887, 74.153



Tritanopia
84, 36.962, 212.207

Trichromacy



Original Color
84, 82.629, 149.932



Protanomaly
81, 57.972, 132.317



Deuteranomaly
80, 45.496, 130.325



Tritanomaly
84, 48.876, 177.148

Monochromacy



Original Color
84, 82.629, 149.932



Achromatopsia
67, 0.008, 296.813



Achromatomaly
71, 36.142, 158.570

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 82.629, 149.932 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(21, 240, 127)` looks like.

```
.text, #text, p{  
    color:rgb(21, 240, 127)  
}
```

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(21, 240, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 240, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 82.629, 149.932 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(21, 240, 127) }
```

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

```
.border{ border-color:rgb(21, 240, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 240, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(21, 240, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(21, 240, 127); box-shadow:4px 4px 4px 4px rgb(21, 240, 127) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 82.629, 149.932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 240, 127) }
```

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

```
.background{ background-color: rgb(21, 240,  
127) }
```

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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