

Converting Colors

CIELCh(84, 81.419, 151.312)

Have a look what the booklet for
CIELCh(84, 81.419, 151.312)
contains.

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Color

CIELCh(84, 81.273, 151.375)

Conversions

Conversions Part 1

Format	Color
Hex	02F084
RGB	2, 240, 132
RGB Percent	1%, 94%, 52%
CMY	0.9933, 0.0584, 0.4819
CMYK	0.99, 0.00, 0.45, 0.06
HSL	153°, 99%, 47%
HSV	153°, 99%, 94%
XYZ	35.3861, 64.0658, 32.3667
YIQ	156.5260, -107.1800, -84.0440

Conversions

Conversions Part 2

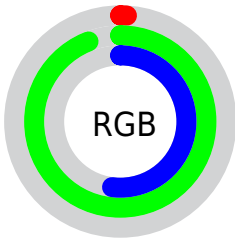
Format	Color
R_{YB}	2, 156, 240
Decimal	192644
CIE _{Lab}	84.00, -71.34, 38.94
CIE _{LCh}	84, 81.273, 151.375
Yxy	64.0658, 0.2684, 0.4860
Android (android.graphics.Color)	4278382724 (0xFF02F084)
YUV	156.5260, -12.0913, -135.5193
Hunter-Lab	80.0411, -61.1573, 32.0533

Details

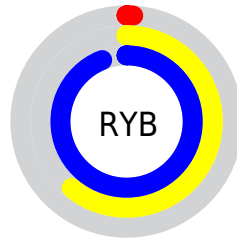
The CIELCh color **84, 81.273, 151.375** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **51, 80.551, 7.056**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 58.277, 158.309**, and **65, 73.332, 146.334** is the 20% darker color. If you saturate the color by 10%, you get **84, 81.604, 151.215**, and if you desaturate by 10%, it is **84, 76.474, 153.667**.

Distribution



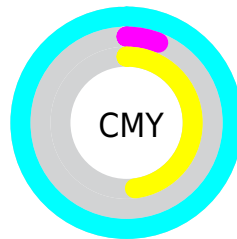
- Red (1%)
- Green (94%)
- Blue (52%)



- Red (1%)
- Yellow (61%)
- Blue (94%)



- Cyan (99%)
- Magenta (0%)
- Yellow (45%)
- Black (6%)





- Cyan (99%)
- Magenta (6%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 81.273, 151.375 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, 81.273, 151.375 by changing the saturation by 10% instead.


 84, 81.273,
151.375


 84, 81.273,
151.375


 100, 81.273,
151.375


 74, 81.273,
151.375

 64, 81.273,
151.375

 54, 81.273,
151.375

 44, 81.273,
151.375

 34, 81.273,
151.375

 24, 81.273,
151.375

 14, 81.273,

151.375

■ 4, 81.273, 151.375

■ 0, 81.273, 151.375

■ 84, 81.273,
151.375

■ 84, 81.273,
151.375

■ 84, 81.604,
151.215

■ 84, 76.474,
153.667

■ 85, 70.838,
155.802

■ 85, 64.238,
157.722

■ 86, 56.693,
159.427

■ 87, 48.301,

160.935

■ 88, 39.213,
162.269

■ 90, 29.599,
163.456

■ 91, 19.635,
164.522

■ 93, 9.477, 165.502

Harmonies

Complementary

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



84, 81.273, 151.375



51, 80.551, 7.056

Rectangle

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



84, 81.273, 151.375



84, 81.273, 201.375



84, 81.273, 331.375



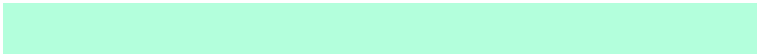
84, 81.273, 21.375

Sweetspot

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



84, 81.273, 151.375



94, 31.811, 163.364



85, 105.386, 129.292



50, 21.599, 162.874



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, 81.273, 151.375



89, 85.543, 151.134



84, 45.683, 201.837



49, 5.792, 165.483



66, 66.172, 151.641



20, 26.892, 155.414

Inverse Universe

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



51, 80.551, 7.056



55, 84.436, 7.563



50, 99.132, 40.093



47, 5.882, 347.043



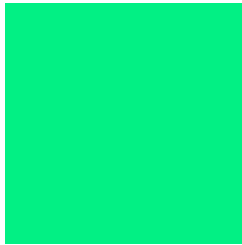
39, 65.963, 6.487



8, 29.080, 359.248

Previews

White Background



This preview shows how the CIE LCh color 84, 81.273, 151.375 looks on a white background.

Color Contrast Check

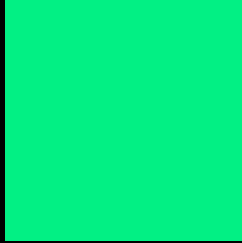
Large Text (above 18pt) WCAG AA × Fail

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, 81.273, 151.375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

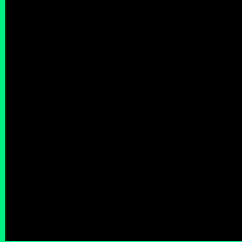
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

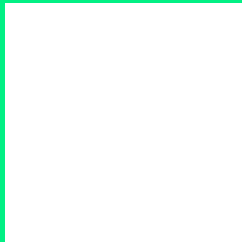
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 81.273, 151.375

Background



This preview shows how black text looks on a background with the CIELCh color 84, 81.273, 151.375.

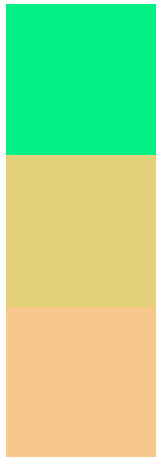


This preview shows how white text looks on a background with the CIELCh color 84, 81.273, 151.375.

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, 81.251, 151.363

Protanopia

83, 46.200, 95.702

Deuteranopia

83, 36.560, 73.788



Tritanopia
84, 37.292, 212.917

Trichromacy



Original Color
84, 81.251, 151.363



Protanomaly
81, 57.051, 135.541



Deuteranomaly
80, 45.186, 135.087



Tritanomaly
83, 48.994, 179.129

Monochromacy



Original Color
84, 81.251, 151.363



Achromatopsia
65, 0.008, 296.813



Achromatomaly
70, 37.097, 161.466

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 81.273, 151.375 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(2, 240, 132)` looks like.

```
.text, #text, p{  
    color:rgb(2, 240, 132)  
}
```

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(2, 240, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 240, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 81.273, 151.375 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(2, 240, 132) }
```

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

```
.border{ border-color:rgb(2, 240, 132) }
```

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

Here you see how a box with a 4 pixel rgb(2, 240, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 240, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 240, 132);  
box-shadow:4px 4px 4px 4px rgb(2, 240,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 81.273, 151.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 240, 132) }
```

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

```
.background{ background-color: rgb(2, 240,  
132) }
```

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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