

Converting Colors

CIELCh(82, 89.432, 159.572)

Have a look what the booklet for
CIELCh(82, 89.432, 159.572)
contains.

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Color

CIELCh(84, 77.057, 154.003)

Conversions

Conversions Part 1

Format	Color
Hex	04F08F
RGB	4, 240, 143
RGB Percent	2%, 94%, 56%
CMY	0.9861, 0.0604, 0.4411
CMYK	0.99, 0.00, 0.41, 0.06
HSL	155°, 97%, 48%
HSV	155°, 99%, 94%
XYZ	36.0032, 64.0658, 36.2673
YIQ	158.3780, -109.5190, -80.1990

Conversions

Conversions Part 2

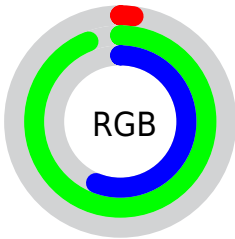
Format	Color
RYB	4, 153, 240
Decimal	323727
CIELab	84.00, -69.26, 33.78
CIELCh	84, 77.057, 154.003
Yxy	64.0658, 0.2641, 0.4699
Android (android.graphics.Color)	4278513807 (0xFF04F08F)
YUV	158.3780, -7.5814, -135.3895
Hunter-Lab	80.0411, -59.7809, 29.1639

Details

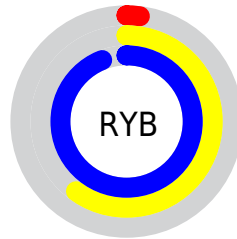
The CIELCh color **84, 77.057, 154.003** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark saturated spring green. A complement of this color would be **51, 80.536, 10.785**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 54.043, 163.071**, and **65, 69.088, 149.171** is the 20% darker color. If you saturate the color by 10%, you get **84, 77.684, 153.671**, and if you desaturate by 10%, it is **84, 72.604, 156.286**.

Distribution



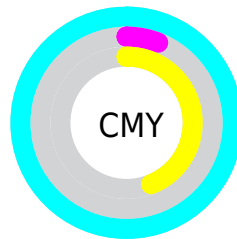
- Red (2%)
- Green (94%)
- Blue (56%)



- Red (2%)
- Yellow (60%)
- Blue (94%)



- Cyan (99%)
- Magenta (0%)
- Yellow (41%)
- Black (6%)



- Cyan (99%)
- Magenta (6%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 77.057, 154.003 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, 77.057, 154.003 by changing the saturation by 10% instead.

 84, 77.057,
154.003


 84, 77.057,
154.003

 100, 77.057,
154.003

 74, 77.057,
154.003

 64, 77.057,
154.003

 54, 77.057,
154.003

 44, 77.057,
154.003

 34, 77.057,
154.003

 24, 77.057,
154.003

 14, 77.057,

154.003

■ 4, 77.057, 154.003

■ 0, 77.057, 154.003

■ 84, 77.057,
154.003

■ 84, 77.057,
154.003

■ 84, 77.684,
153.671

■ 84, 72.604,
156.286

■ 85, 67.311,
158.391

■ 85, 61.064,
160.282

■ 86, 53.883,
161.962

■ 87, 45.860,

163.452

■ 88, 37.138,
164.776

■ 90, 27.884,
165.962

■ 91, 18.266,
167.034

■ 93, 8.437, 168.032

Harmonies

Complementary

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



84, 77.057, 154.003



51, 80.536, 10.785

Rectangle

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



84, 77.057, 154.003



84, 77.057, 204.003



84, 77.057, 334.003



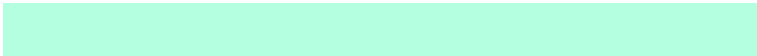
84, 77.057, 24.003

Sweetspot

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



84, 77.057, 154.003



94, 30.791, 165.783



84, 106.550, 130.636



50, 20.890, 165.289



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, 77.057, 154.003



89, 81.569, 153.587



80, 43.092, 210.952



49, 5.626, 167.938



66, 63.128, 154.093



20, 25.757, 157.835

Inverse Universe

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



51, 80.536, 10.785



54, 84.816, 11.718



51, 97.720, 40.484



47, 5.730, 349.541



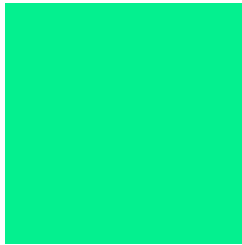
39, 66.146, 10.559



8, 28.876, 2.599

Previews

White Background



This preview shows how the CIE LCh color 84, 77.057, 154.003 looks on a white background.

Color Contrast Check

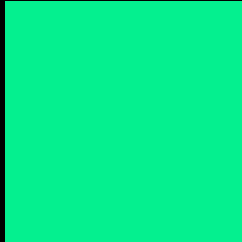
Large Text (above 18pt) WCAG AA × Fail

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, 77.057, 154.003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

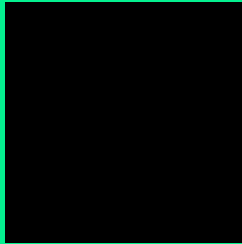
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 77.057, 154.003

Background



This preview shows how black text looks on a background with the CIELCh color 84, 77.057, 154.003.

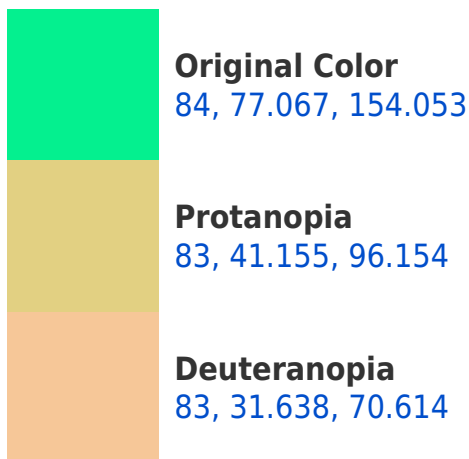


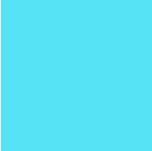
This preview shows how white text looks on a background with the CIELCh color 84, 77.057, 154.003.

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





Tritanopia
84, 37.743, 212.698

Trichromacy



Original Color
84, 77.067, 154.053



Protanomaly
81, 51.913, 138.784



Deuteranomaly
80, 40.252, 138.878



Tritanomaly
84, 48.324, 180.890

Monochromacy



Original Color
84, 77.067, 154.053



Achromatopsia
65, 0.008, 296.813



Achromatomaly
70, 35.998, 163.488

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 77.057, 154.003 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(4, 240, 143)` looks like.

```
.text, #text, p{  
    color:rgb(4, 240, 143)  
}
```

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(4, 240, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 240, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 77.057, 154.003 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(4, 240, 143) }
```

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

```
.border{ border-color:rgb(4, 240, 143) }
```

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

Here you see how a box with a 4 pixel rgb(4, 240, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 240, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 240, 143);  
box-shadow:4px 4px 4px 4px rgb(4, 240,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 77.057, 154.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 240, 143) }
```

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

```
.background{ background-color: rgb(4, 240,  
143) }
```

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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