

Converting Colors

CIELCh(87, 76.299, 155.949)

Have a look what the booklet for
CIELCh(87, 76.299, 155.949)
contains.

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Color

CIELCh(87, 76.372, 155.936)

Conversions

Conversions Part 1

Format	Color
Hex	07F99C
RGB	7, 249, 156
RGB Percent	3%, 98%, 61%
CMY	0.9720, 0.0247, 0.3893
CMYK	0.97, 0.00, 0.37, 0.02
HSL	157°, 95%, 50%
HSV	157°, 97%, 98%
XYZ	39.8518, 70.0064, 42.7458
YIQ	166.0400, -114.3790, -80.2270

Conversions

Conversions Part 2

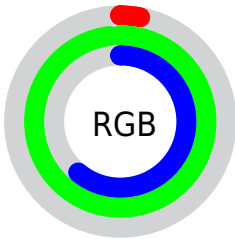
Format	Color
RYB	7, 157, 249
Decimal	522652
CIELab	87.00, -69.73, 31.14
CIELCh	87, 76.372, 155.936
Yxy	70.0064, 0.2611, 0.4587
Android (android.graphics.Color)	4278712732 (0xFF07F99C)
YUV	166.0400, -4.9497, -139.4781
Hunter-Lab	83.6698, -61.4030, 28.2784

Details

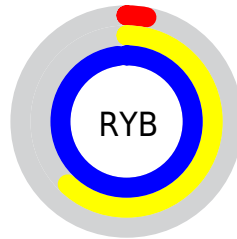
The CIELCh color **87, 76.372, 155.936** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **53, 82.923, 12.722**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 49.232, 168.770**, and **68, 68.422, 151.436** is the 20% darker color. If you saturate the color by 10%, you get **87, 77.548, 155.284**, and if you desaturate by 10%, it is **87, 71.969, 158.200**.

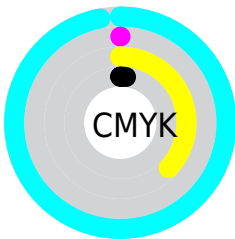
Distribution



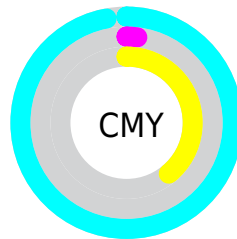
- Red (3%)
- Green (98%)
- Blue (61%)



- Red (3%)
- Yellow (62%)
- Blue (98%)



- Cyan (97%)
- Magenta (0%)
- Yellow (37%)
- Black (2%)





- Cyan (97%)
- Magenta (2%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 76.372, 155.936 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 87, 76.372, 155.936 by changing the saturation by 10% instead.


 87, 76.372,
155.936


 87, 76.372,
155.936


 100, 76.372,
155.936


 77, 76.372,
155.936

 67, 76.372,
155.936

 57, 76.372,
155.936

 47, 76.372,
155.936

 37, 76.372,
155.936


 27, 76.372,
155.936


 17, 76.372,

155.936


 7, 76.372, 155.936

 0, 76.372, 155.936


 87, 76.372,
155.936

 87, 76.372,
155.936

 87, 77.548,
155.284

 87, 71.969,
158.200

 88, 66.666,
160.268

 88, 60.379,
162.120

 89, 53.132,
163.767

 90, 45.024,

165.230

■ 91, 36.204,
166.535

■ 93, 26.840,
167.709

■ 95, 17.103,
168.777

■ 96, 7.148, 169.786

Harmonies

Complementary

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



87, 76.372, 155.936



53, 82.923, 12.722

Rectangle

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



87, 76.372, 155.936



87, 76.372, 205.936



87, 76.372, 335.936



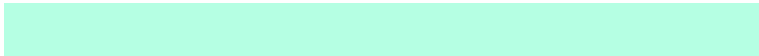
87, 76.372, 25.936

Sweetspot

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



87, 76.372, 155.936



95, 29.209, 167.493



87, 109.687, 130.953



50, 19.923, 166.997



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 76.372, 155.936



89, 79.078, 155.251



82, 43.682, 214.046



51, 5.719, 169.546



68, 62.537, 155.707



22, 26.684, 159.049

Inverse Universe

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



53, 82.923, 12.722



54, 85.322, 14.308



53, 99.361, 40.574



49, 5.837, 351.180



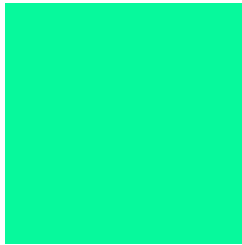
40, 67.849, 13.222



10, 30.463, 5.679

Previews

White Background



This preview shows how the CIE LCh color 87, 76.372, 155.936 looks on a white background.

Color Contrast Check

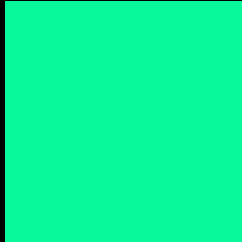
Large Text (above 18pt) WCAG AA × Fail

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 87, 76.372, 155.936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

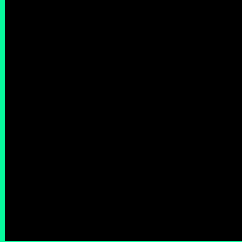
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 76.372, 155.936

Background



This preview shows how black text looks on a background with the CIELCh color 87, 76.372, 155.936.

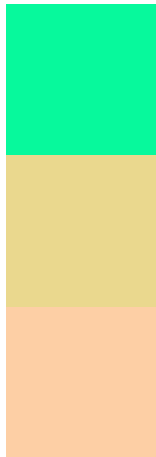


This preview shows how white text looks on a background with the CIELCh color 87, 76.372, 155.936.

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](#).

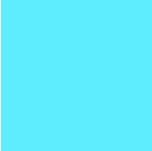
Dichromacy



Original Color
87, 76.415, 155.958

Protanopia
86, 38.934, 96.012

Deuteranopia
86, 28.967, 68.681

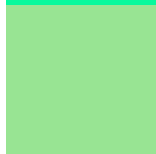


Tritanopia
87, 38.371, 212.339

Trichromacy



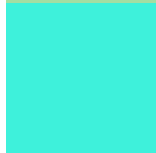
Original Color
87, 76.415, 155.958



Protanomaly
84, 50.670, 140.402



Deuteranomaly
83, 38.188, 141.794



Tritanomaly
87, 48.767, 182.481

Monochromacy



Original Color
87, 76.415, 155.958



Achromatopsia
68, 0.008, 296.813



Achromatomaly
73, 35.625, 165.527

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 76.372, 155.936 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(7, 249, 156)` looks like.

```
.text, #text, p{  
    color:rgb(7, 249, 156)  
}
```

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(7, 249, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 249, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 76.372, 155.936 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(7, 249, 156) }
```

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

```
.border{ border-color:rgb(7, 249, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 249, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 249, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 249, 156);  
box-shadow:4px 4px 4px 4px rgb(7, 249,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 76.372, 155.936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 249, 156) }
```

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

```
.background{ background-color: rgb(7, 249,  
156) }
```

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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