

Converting Colors

CIELCh(87, 76.575, 155.660)

Have a look what the booklet for
CIELCh(87, 76.575, 155.660)
contains.

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Color

CIELCh(87, 76.678, 155.633)

Conversions

Conversions Part 1

Format	Color
Hex	0AF99B
RGB	10, 249, 155
RGB Percent	4%, 98%, 61%
CMY	0.9593, 0.0246, 0.3931
CMYK	0.96, 0.00, 0.38, 0.02
HSL	156°, 95%, 51%
HSV	156°, 96%, 98%
XYZ	39.8156, 70.0064, 42.3142
YIQ	166.8230, -112.2700, -79.9020

Conversions

Conversions Part 2

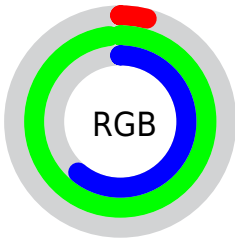
Format	Color
RYB	10, 159, 249
Decimal	719259
CIELab	87.00, -69.85, 31.64
CIELCh	87, 76.678, 155.633
Yxy	70.0064, 0.2617, 0.4602
Android (android.graphics.Color)	4278909339 (0xFF0AF99B)
YUV	166.8230, -5.8287, -137.5338
Hunter-Lab	83.6698, -61.4801, 28.5843

Details

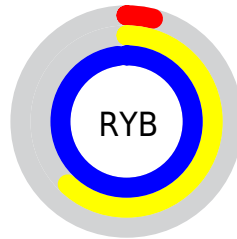
The CIELCh color **87, 76.678, 155.633** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **53, 82.470, 11.137**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 49.545, 168.271**, and **68, 68.814, 151.148** is the 20% darker color. If you saturate the color by 10%, you get **87, 78.424, 154.678**, and if you desaturate by 10%, it is **87, 72.076, 157.883**.

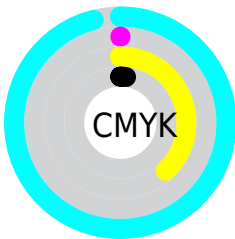
Distribution



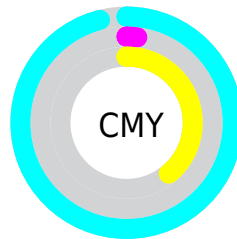
- Red (4%)
- Green (98%)
- Blue (61%)



- Red (4%)
- Yellow (62%)
- Blue (98%)



- Cyan (96%)
- Magenta (0%)
- Yellow (38%)
- Black (2%)





- Cyan (96%)
- Magenta (2%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 76.678, 155.633 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, 76.678, 155.633 by changing the saturation by 10% instead.


 87, 76.678,
155.633


 87, 76.678,
155.633


 100, 76.678,
155.633


 77, 76.678,
155.633

 67, 76.678,
155.633

 57, 76.678,
155.633

 47, 76.678,
155.633

 37, 76.678,
155.633

 27, 76.678,
155.633

 17, 76.678,

155.633

■ 7, 76.678, 155.633

■ 0, 76.678, 155.633

■ 87, 76.678,
155.633

■ 87, 76.678,
155.633

■ 87, 78.424,
154.678

■ 87, 72.076,
157.883

■ 88, 66.548,
159.929

■ 88, 60.034,
161.760

■ 89, 52.571,
163.386

■ 90, 44.268,

164.829

■ 92, 35.278,
166.117

■ 93, 25.773,
167.275

■ 95, 15.923,
168.330

■ 97, 5.882, 169.337

Harmonies

Complementary

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



87, 76.678, 155.633



53, 82.470, 11.137

Rectangle

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



87, 76.678, 155.633



87, 76.678, 205.633



87, 76.678, 335.633



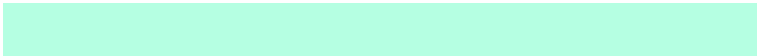
87, 76.678, 25.633

Sweetspot

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



87, 76.678, 155.633



95, 29.418, 166.916



87, 109.228, 130.812



50, 20.070, 166.420



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, 76.678, 155.633



89, 79.967, 154.645



82, 43.661, 213.811



51, 5.755, 168.963



68, 63.233, 155.101



22, 26.955, 158.456

Inverse Universe

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



53, 82.470, 11.137



54, 85.118, 13.386



53, 98.576, 40.463



49, 5.869, 350.590



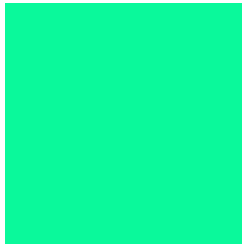
40, 67.713, 12.312



10, 30.475, 4.893

Previews

White Background



This preview shows how the CIE LCh color 87, 76.678, 155.633 looks on a white background.

Color Contrast Check

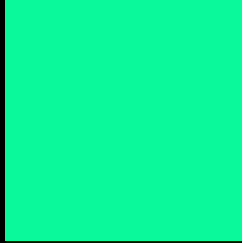
Large Text (above 18pt) WCAG AA × Fail

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, 76.678, 155.633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

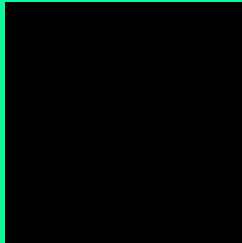
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

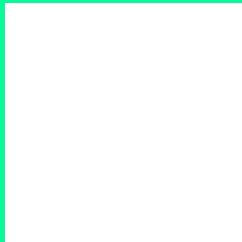
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 76.678, 155.633

Background



This preview shows how black text looks on a background with the CIELCh color 87, 76.678, 155.633.

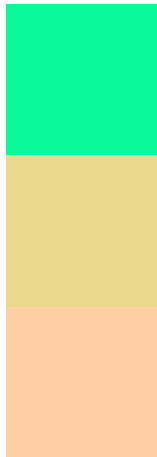


This preview shows how white text looks on a background with the CIELCh color 87, 76.678, 155.633.

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, 76.723, 155.657

Protanopia

86, 39.428, 96.094

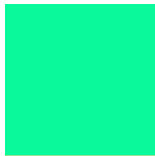
Deuteranopia

86, 29.659, 68.654



Tritanopia
87, 38.371, 212.339

Trichromacy



Original Color
87, 76.723, 155.657



Protanomaly
84, 50.903, 139.796



Deuteranomaly
83, 38.420, 140.961



Tritanomaly
87, 48.544, 182.432

Monochromacy



Original Color
87, 76.723, 155.657



Achromatopsia
68, 0.008, 296.813



Achromatomaly
73, 35.371, 165.348

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 76.678, 155.633 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(10, 249, 155)` looks like.

```
.text, #text, p{  
    color:rgb(10, 249, 155)  
}
```

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(10, 249, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 249, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 76.678, 155.633 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(10, 249, 155) }
```

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

```
.border{ border-color:rgb(10, 249, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 249, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 249, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 249, 155);  
box-shadow:4px 4px 4px 4px rgb(10, 249,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 76.678, 155.633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 249, 155) }
```

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

```
.background{ background-color: rgb(10, 249,  
155) }
```

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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