

Converting Colors

CIELCh(86, 78.576, 153.073)

Have a look what the booklet for
CIELCh(86, 78.576, 153.073)
contains.

CIELCh(86, 78.808, 152.974)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(86, 78.808, 152.974)

Conversions

Conversions Part 1

Format	Color
Hex	1BF690
RGB	27, 246, 144
RGB Percent	11%, 96%, 56%
CMY	0.8934, 0.0363, 0.4363
CMYK	0.89, 0.00, 0.41, 0.04
HSL	152°, 92%, 54%
HSV	152°, 89%, 96%
XYZ	38.3447, 67.9871, 37.3886
YIQ	168.8910, -97.7820, -78.1500

Conversions

Conversions Part 2

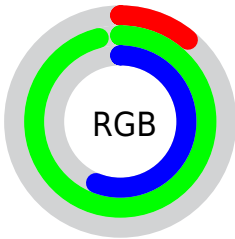
Format	Color
RYB	27, 170, 246
Decimal	1832592
CIELab	86.00, -70.20, 35.81
CIELCh	86, 78.808, 152.974
Yxy	67.9871, 0.2668, 0.4731
Android (android.graphics.Color)	4280022672 (0xFF1BF690)
YUV	168.8910, -12.2713, -124.4384
Hunter-Lab	82.4543, -61.2849, 30.8332

Details

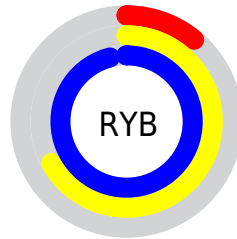
The CIELCh color **86, 78.808, 152.974** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **54, 80.204, 1.274**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 52.591, 162.816**, and **67, 71.634, 148.586** is the 20% darker color. If you saturate the color by 10%, you get **86, 83.826, 150.678**, and if you desaturate by 10%, it is **86, 72.914, 155.107**.

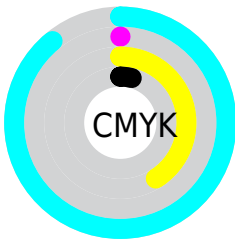
Distribution



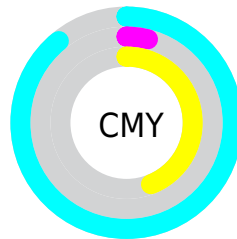
- Red (11%)
- Green (96%)
- Blue (56%)



- Red (11%)
- Yellow (67%)
- Blue (96%)



- Cyan (89%)
- Magenta (0%)
- Yellow (41%)
- Black (4%)




- Cyan (89%)
- Magenta (4%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 78.808, 152.974 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 86, 78.808, 152.974 by changing the saturation by 10% instead.


 86, 78.808,
152.974


 86, 78.808,
152.974


 100, 78.808,
152.974


 76, 78.808,
152.974

 66, 78.808,
152.974

 56, 78.808,
152.974

 46, 78.808,
152.974

 36, 78.808,
152.974

 26, 78.808,
152.974

 16, 78.808,

152.974

■ 6, 78.808, 152.974

■ 0, 78.808, 152.974

■ 86, 78.808,
152.974

■ 86, 78.808,
152.974

■ 86, 83.826,
150.678

■ 86, 72.914,
155.107

■ 86, 84.337,
150.439


■ 87, 66.029,
157.025


■ 88, 58.179,
158.728

■ 89, 49.470,
160.232

■ 90, 40.059,

161.561

 92, 30.124,
162.741

 93, 19.844,
163.799

 95, 9.382, 164.770

 97, 1.125, 345.142

Harmonies

Complementary

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



86, 78.808, 152.974



54, 80.204, 1.274

Rectangle

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



86, 78.808, 152.974



86, 78.808, 202.974



86, 78.808, 332.974



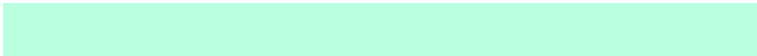
86, 78.808, 22.974

Sweetspot

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



86, 78.808, 152.974



95, 29.013, 162.948



87, 103.039, 128.201



50, 19.490, 162.568



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 78.808, 152.974



89, 86.823, 150.390



86, 45.956, 201.369



50, 5.949, 164.718



67, 67.879, 150.872



21, 28.166, 154.453

Inverse Universe

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



54, 80.204, 1.274



55, 84.425, 6.223



53, 94.258, 37.924



48, 6.038, 346.266



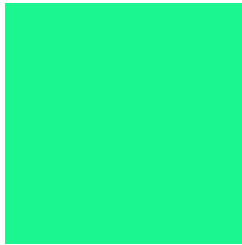
40, 66.666, 5.227



9, 29.982, 358.541

Previews

White Background



This preview shows how the CIE LCh color 86, 78.808, 152.974 looks on a white background.

Color Contrast Check

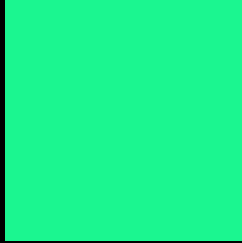
Large Text (above 18pt) WCAG AA × Fail

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 86, 78.808, 152.974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

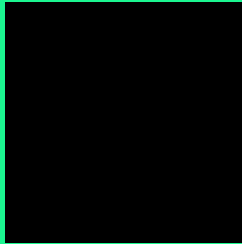
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 78.808, 152.974

Background



This preview shows how black text looks on a background with the CIELCh color 86, 78.808, 152.974.

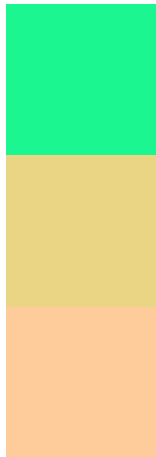


This preview shows how white text looks on a background with the CIELCh color 86, 78.808, 152.974.

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](#).

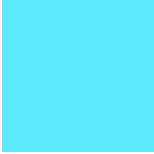
Dichromacy



Original Color
86, 78.854, 153.000

Protanopia
85, 43.128, 95.436

Deuteranopia
85, 33.287, 71.003



Tritanopia
86, 37.960, 212.551

Trichromacy



Original Color
86, 78.854, 153.000



Protanomaly
83, 52.549, 135.294



Deuteranomaly
83, 40.399, 134.082



Tritanomaly
86, 48.182, 180.343

Monochromacy



Original Color
86, 78.854, 153.000



Achromatopsia
69, 0.009, 296.813



Achromatomaly
74, 34.740, 161.642

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 78.808, 152.974 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(27, 246, 144)` looks like.

```
.text, #text, p{  
    color:rgb(27, 246, 144)  
}
```

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(27, 246, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 246, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 78.808, 152.974 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(27, 246, 144) }
```

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

```
.border{ border-color:rgb(27, 246, 144) }
```

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

Here you see how a box with a 4 pixel rgb(27, 246, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 246, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 246, 144);  
box-shadow:4px 4px 4px 4px rgb(27, 246,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 78.808, 152.974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 246, 144) }
```

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

```
.background{ background-color: rgb(27, 246,  
144) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor