

Converting Colors

CIELCh(86, 72.187, 158.875)

Have a look what the booklet for
CIELCh(86, 72.187, 158.875)
contains.

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Color

CIELCh(86, 72.081, 158.780)

Conversions

Conversions Part 1

Format	Color
Hex	00F5A3
RGB	0, 245, 163
RGB Percent	0%, 96%, 64%
CMY	0.9985, 0.0390, 0.3606
CMYK	1.00, 0.00, 0.33, 0.04
HSL	160°, 100%, 48%
HSV	160°, 100%, 96%
XYZ	39.2891, 67.9871, 45.7262
YIQ	162.3970, -119.6980, -77.4420

Conversions

Conversions Part 2

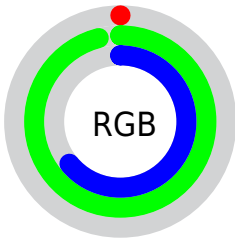
Format	Color
RYB	0, 147, 245
Decimal	62883
CIELab	86.00, -67.19, 26.09
CIELCh	86, 72.081, 158.780
Yxy	67.9871, 0.2568, 0.4444
Android (android.graphics.Color)	4278252963 (0xFF00F5A3)
YUV	162.3970, 0.2973, -142.4222
Hunter-Lab	82.4543, -59.2405, 24.8379

Details

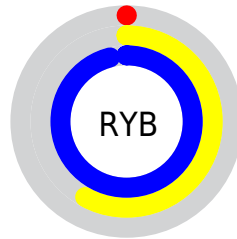
The CIELCh color **86, 72.081, 158.780** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **52, 84.140, 18.885**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 47.509, 172.609**, and **67, 63.684, 154.354** is the 20% darker color. If you saturate the color by 10%, you get **86, 72.136, 158.746**, and if you desaturate by 10%, it is **86, 68.396, 161.009**.

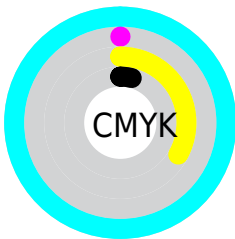
Distribution



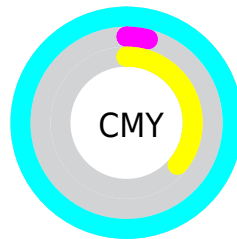
- Red (0%)
- Green (96%)
- Blue (64%)



- Red (0%)
- Yellow (58%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 72.081, 158.780 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, 72.081, 158.780 by changing the saturation by 10% instead.


 86, 72.081,
158.780

 86, 72.081,
158.780


 100, 72.081,
158.780


 76, 72.081,
158.780

 66, 72.081,
158.780

 56, 72.081,
158.780

 46, 72.081,
158.780

 36, 72.081,
158.780

 26, 72.081,
158.780

 16, 72.081,

158.780

■ 6, 72.081, 158.780

■ 0, 72.081, 158.780

■ 86, 72.081,
158.780

■ 86, 72.081,
158.780

■ 86, 72.136,
158.746

■ 86, 68.396,
161.009

■ 87, 63.923,
163.078

■ 87, 58.489,
164.937

■ 88, 52.085,
166.595

■ 89, 44.783,

168.073

■ 90, 36.708,
169.398

■ 91, 28.017,
170.595

■ 93, 18.876,
171.690

■ 95, 9.439, 172.716

Harmonies

Complementary

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



86, 72.081, 158.780



52, 84.140, 18.885

Rectangle

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



86, 72.081, 158.780



86, 72.081, 208.780



86, 72.081, 338.780



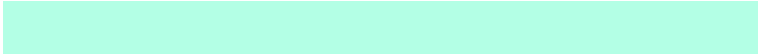
86, 72.081, 28.780

Sweetspot

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



86, 72.081, 158.780



95, 29.075, 170.570



86, 110.888, 132.381



50, 19.693, 170.078



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, 72.081, 158.780



89, 74.408, 158.694



77, 42.270, 225.188



50, 5.445, 172.752



67, 58.272, 159.163



21, 24.512, 162.578

Inverse Universe

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



52, 84.140, 18.885



54, 86.824, 19.100



53, 98.514, 41.812



48, 5.580, 354.413



39, 68.187, 17.906



9, 29.624, 8.872

Previews

White Background



This preview shows how the CIE LCh color 86, 72.081, 158.780 looks on a white background.

Color Contrast Check

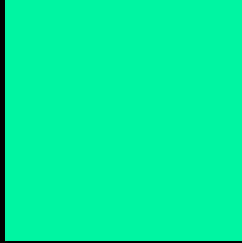
Large Text (above 18pt) WCAG AA × Fail

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, 72.081, 158.780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

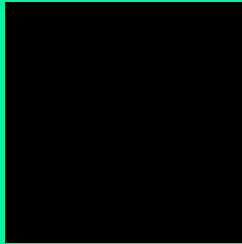
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 72.081, 158.780

Background



This preview shows how black text looks on a background with the CIELCh color 86, 72.081, 158.780.

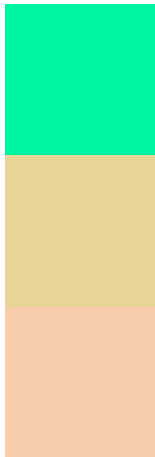


This preview shows how white text looks on a background with the CIELCh color 86, 72.081, 158.780.

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, 72.081, 158.780

Protanopia
85, 33.961, 95.605

Deuteranopia
85, 24.501, 64.551



Tritanopia
86, 39.316, 211.925

Trichromacy



Original Color
86, 72.081, 158.780



Protanomaly
83, 46.937, 144.355



Deuteranomaly
83, 35.276, 147.664

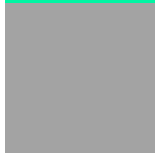


Tritanomaly
86, 48.170, 184.860

Monochromacy



Original Color
86, 72.081, 158.780



Achromatopsia
67, 0.008, 296.813



Achromatomaly
72, 34.587, 168.544

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 72.081, 158.780 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(0, 245, 163)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 163)  
}
```

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(0, 245, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 72.081, 158.780 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(0, 245, 163) }
```

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

```
.border{ border-color:rgb(0, 245, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 245, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 163);  
box-shadow:4px 4px 4px 4px rgb(0, 245,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 72.081, 158.780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 245, 163) }
```

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

```
.background{ background-color: rgb(0, 245,  
163) }
```

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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