

Converting Colors

CIELCh(80, 80.953, 159.923)

Have a look what the booklet for
CIELCh(80, 80.953, 159.923)
contains.

CIELCh(81, 72.378, 155.828)	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(81, 72.378, 155.828)

Conversions

Conversions Part 1

Format	Color
Hex	00E68F
RGB	0, 230, 143
RGB Percent	0%, 90%, 56%
CMY	1.0000, 0.0987, 0.4398
CMYK	1.00, 0.00, 0.38, 0.10
HSL	157°, 100%, 45%
HSV	157°, 100%, 90%
XYZ	33.1834, 58.4711, 35.4622
YIQ	151.3120, -109.1530, -75.8170

Conversions

Conversions Part 2

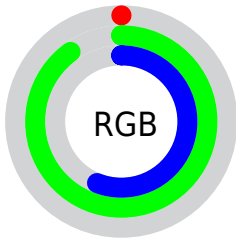
Format	Color
RYB	0, 142, 230
Decimal	59023
CIELab	81.00, -66.03, 29.64
CIELCh	81, 72.378, 155.828
Yxy	58.4711, 0.2610, 0.4600
Android (android.graphics.Color)	4278249103 (0xFF00E68F)
YUV	151.3120, -4.0978, -132.7006
Hunter-Lab	76.4664, -56.3542, 26.0300

Details

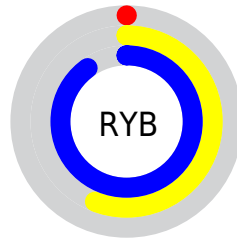
The CIELCh color **81, 72.378, 155.828** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **49, 78.937, 14.590**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 54.921, 162.971**, and **62, 64.226, 150.920** is the 20% darker color. If you saturate the color by 10%, you get **81, 72.355, 155.815**, and if you desaturate by 10%, it is **81, 68.408, 158.072**.

Distribution



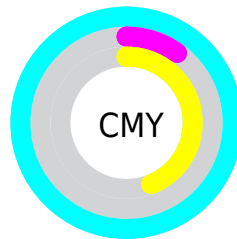
- Red (0%)
- Green (90%)
- Blue (56%)



- Red (0%)
- Yellow (56%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (10%)



- Cyan (100%)
- Magenta (10%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 72.378, 155.828 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 81, 72.378, 155.828 by changing the saturation by 10% instead.


 81, 72.378,
155.828

 81, 72.378,
155.828


 100, 72.378,
155.828


 71, 72.378,
155.828

 61, 72.378,
155.828

 51, 72.378,
155.828

 41, 72.378,
155.828

 31, 72.378,
155.828

 21, 72.378,
155.828

 11, 72.378,

155.828

■ 1, 72.378, 155.828

■ 0, 72.378, 155.828

■ 81, 72.378,
155.828

■ 81, 72.378,
155.828

■ 81, 72.355,
155.815

■ 81, 68.408,
158.072

■ 82, 63.719,
160.178

■ 82, 58.121,
162.072

■ 83, 51.612,
163.758

■ 84, 44.269,

165.258

■ 85, 36.217,
166.595

■ 86, 27.610,
167.797

■ 88, 18.608,
168.888

■ 89, 9.359, 169.901

Harmonies

Complementary

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



81, 72.378, 155.828



49, 78.937, 14.590

Rectangle

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



81, 72.378, 155.828



81, 72.378, 205.828



81, 72.378, 335.828



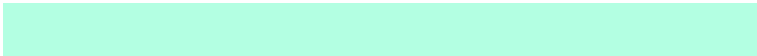
81, 72.378, 25.828

Sweetspot

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



81, 72.355, 155.815



95, 30.031, 167.777



81, 104.705, 131.588



50, 20.360, 167.282



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 72.355, 155.815



89, 78.473, 155.672



75, 40.766, 217.936



47, 5.310, 169.956



64, 59.447, 156.226



18, 23.239, 160.351

Inverse Universe

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



49, 78.937, 14.590



54, 85.476, 14.935



49, 94.775, 41.249



45, 5.421, 351.578



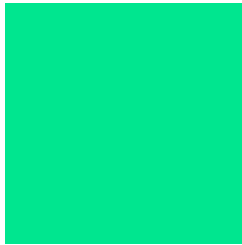
38, 65.164, 13.604



7, 26.825, 3.733

Previews

White Background



This preview shows how the CIE LCh color 81, 72.378, 155.828 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 81, 72.378, 155.828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

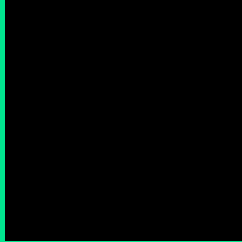
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 72.378, 155.828

Background



This preview shows how black text looks on a background with the CIELCh color 81, 72.378, 155.828.

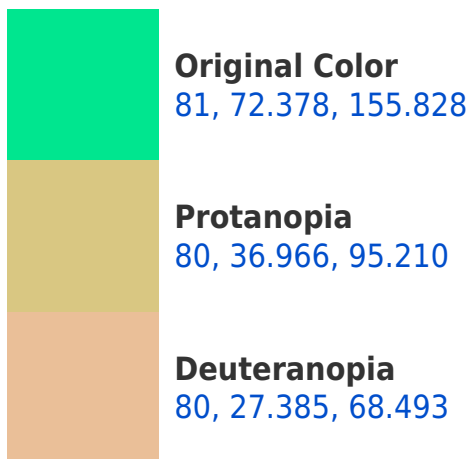


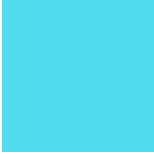
This preview shows how white text looks on a background with the CIELCh color 81, 72.378, 155.828.

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
81, 36.964, 211.385

Trichromacy



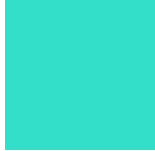
Original Color
81, 72.378, 155.828



Protanomaly
78, 47.972, 140.913



Deuteranomaly
77, 36.569, 142.582



Tritanomaly
81, 46.624, 182.253

Monochromacy



Original Color
81, 72.378, 155.828



Achromatopsia
62, 0.008, 296.813



Achromatomaly
67, 34.280, 165.665

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 72.378, 155.828 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, 230, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 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(0, 230, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 72.378, 155.828 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, 230, 143) }
```

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

```
.border{ border-color:rgb(0, 230, 143) }
```

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

Here you see how a box with a 4 pixel rgb(0, 230, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 72.378, 155.828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 143) }
```

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

```
.background{ background-color: rgb(0, 230,  
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](#).

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