

Converting Colors

CIELCh(79, 85.938, 164.875)

Have a look what the booklet for
CIELCh(79, 85.938, 164.875)
contains.

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Color

CIELCh(81, 69.373, 158.229)

Conversions

Conversions Part 1

Format	Color
Hex	00E596
RGB	0, 229, 150
RGB Percent	0%, 90%, 59%
CMY	1.0000, 0.1003, 0.4099
CMYK	1.00, 0.00, 0.34, 0.10
HSL	159°, 100%, 45%
HSV	159°, 100%, 90%
XYZ	33.6399, 58.4711, 38.5693
YIQ	151.5230, -111.1250, -73.1170

Conversions

Conversions Part 2

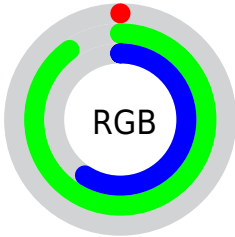
Format	Color
RYB	0, 138, 229
Decimal	58774
CIELab	81.00, -64.42, 25.73
CIELCh	81, 69.373, 158.229
Yxy	58.4711, 0.2574, 0.4474
Android (android.graphics.Color)	4278248854 (0xFF00E596)
YUV	151.5230, -0.7508, -132.8857
Hunter-Lab	76.4664, -55.2886, 23.6209

Details

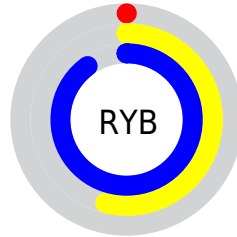
The CIELCh color **81, 69.373, 158.229** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **49, 79.741, 17.890**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 52.425, 166.578**, and **62, 60.923, 153.413** is the 20% darker color. If you saturate the color by 10%, you get **81, 69.294, 158.187**, and if you desaturate by 10%, it is **81, 65.684, 160.409**.

Distribution



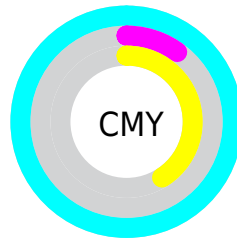
- Red (0%)
- Green (90%)
- Blue (59%)



- Red (0%)
- Yellow (54%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (10%)





- Cyan (100%)
- Magenta (10%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 69.373, 158.229 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, 69.373, 158.229 by changing the saturation by 10% instead.


 81, 69.373,
158.229

 81, 69.373,
158.229


 100, 69.373,
158.229


 71, 69.373,
158.229


 61, 69.373,
158.229

 51, 69.373,
158.229

 41, 69.373,
158.229

 31, 69.373,
158.229

 21, 69.373,
158.229

 11, 69.373,

158.229

■ 1, 69.373, 158.229

■ 0, 69.373, 158.229

■ 81, 69.373,
158.229

■ 81, 69.373,
158.229

■ 81, 69.294,
158.187

■ 81, 65.684,
160.409

■ 82, 61.341,
162.479

■ 82, 56.090,
164.340

■ 83, 49.925,
165.999

■ 84, 42.915,

167.478

■ 85, 35.181,
168.803

■ 86, 26.871,
169.998

■ 88, 18.142,
171.090

■ 89, 9.139, 172.112

Harmonies

Complementary

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



81, 69.373, 158.229



49, 79.741, 17.890

Rectangle

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



81, 69.373, 158.229



81, 69.373, 208.229



81, 69.373, 338.229



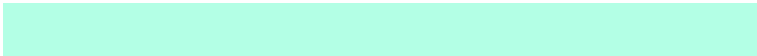
81, 69.373, 28.229

Sweetspot

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



81, 69.294, 158.187



95, 29.267, 169.979



81, 105.490, 132.343



50, 19.827, 169.485



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, 69.294, 158.187



89, 75.243, 158.043



73, 40.227, 225.112



47, 5.193, 172.167



64, 57.037, 158.589



18, 22.407, 162.629

Inverse Universe

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



49, 79.741, 17.890



54, 86.503, 18.251



49, 93.734, 41.894



45, 5.317, 353.810



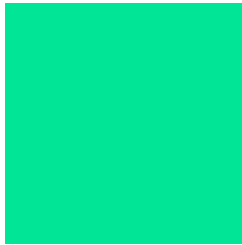
38, 65.830, 16.878



7, 26.727, 5.918

Previews

White Background



This preview shows how the CIE LCh color 81, 69.373, 158.229 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, 69.373, 158.229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

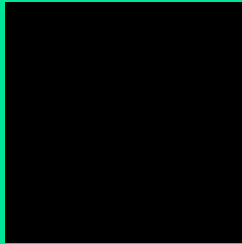
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 69.373, 158.229

Background



This preview shows how black text looks on a background with the CIELCh color 81, 69.373, 158.229.

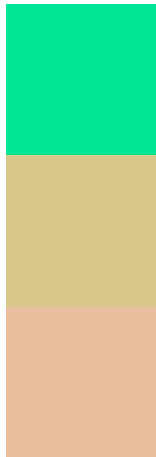


This preview shows how white text looks on a background with the CIELCh color 81, 69.373, 158.229.

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

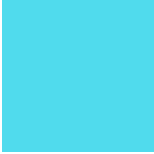
81, 69.267, 158.127

Protanopia

80, 32.850, 94.980

Deuteranopia

80, 23.907, 64.925



Tritanopia
81, 37.263, 212.120

Trichromacy



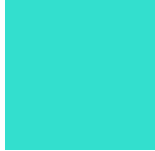
Original Color
81, 69.267, 158.127



Protanomaly
78, 44.737, 144.143



Deuteranomaly
77, 33.760, 146.527



Tritanomaly
81, 45.776, 184.795

Monochromacy



Original Color
81, 69.267, 158.127



Achromatopsia
63, 0.008, 296.813



Achromatomaly
68, 33.030, 167.758

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 69.373, 158.229 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, 229, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 229, 150)  
}
```

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, 229, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 229, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 69.373, 158.229 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, 229, 150) }
```

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

```
.border{ border-color:rgb(0, 229, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 229, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 229, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 229, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 229,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 69.373, 158.229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 229, 150) }
```

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

```
.background{ background-color: rgb(0, 229,  
150) }
```

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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