

Converting Colors

CIELCh(80, 77.560, 155.121)

Have a look what the booklet for
CIELCh(80, 77.560, 155.121)
contains.

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Color

CIELCh(80, 74.828, 153.674)

Conversions

Conversions Part 1

Format	Color
Hex	00E385
RGB	0, 227, 133
RGB Percent	0%, 89%, 52%
CMY	1.0000, 0.1093, 0.4776
CMYK	1.00, 0.00, 0.41, 0.11
HSL	155°, 100%, 45%
HSV	155°, 100%, 89%
XYZ	31.6947, 56.6813, 31.5407
YIQ	148.4110, -105.1180, -77.3580

Conversions

Conversions Part 2

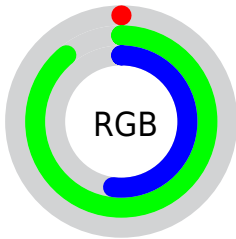
Format	Color
RYB	0, 143, 227
Decimal	58245
CIELab	80.00, -67.07, 33.18
CIELCh	80, 74.828, 153.674
Yxy	56.6813, 0.2643, 0.4727
Android (android.graphics.Color)	4278248325 (0xFF00E385)
YUV	148.4110, -7.5976, -130.1564
Hunter-Lab	75.2870, -56.6063, 27.8620

Details

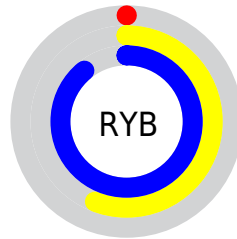
The CIELCh color **80, 74.828, 153.674** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **48, 77.634, 11.121**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 58.612, 159.134**, and **61, 66.699, 148.428** is the 20% darker color. If you saturate the color by 10%, you get **80, 74.711, 153.607**, and if you desaturate by 10%, it is **80, 70.471, 155.878**.

Distribution



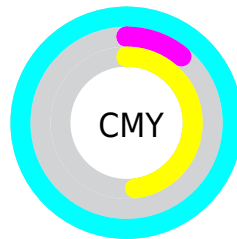
- Red (0%)
- Green (89%)
- Blue (52%)



- Red (0%)
- Yellow (56%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (41%)
- Black (11%)



- Cyan (100%)
- Magenta (11%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 74.828, 153.674 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 80, 74.828, 153.674 by changing the saturation by 10% instead.

 80, 74.828,
153.674

 80, 74.828,
153.674

 100, 74.828,
153.674


 70, 74.828,
153.674

 60, 74.828,
153.674

 50, 74.828,
153.674

 40, 74.828,
153.674

 30, 74.828,
153.674

 20, 74.828,
153.674

 10, 74.828,

153.674

■ 0, 74.828, 153.674

■ 80, 74.828,
153.674

■ 80, 74.828,
153.674

■ 80, 74.711,
153.607

■ 80, 70.471,
155.878

■ 81, 65.488,
158.004

■ 81, 59.599,
159.917

■ 82, 52.810,
161.618

■ 83, 45.204,
163.128

■ 84, 36.911,
164.469

■ 85, 28.090,
165.668

■ 87, 18.900,
166.751

■ 88, 9.492, 167.750

Harmonies

Complementary

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



80, 74.828, 153.674



48, 77.634, 11.121

Rectangle

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



80, 74.828, 153.674



80, 74.828, 203.674



80, 74.828, 333.674



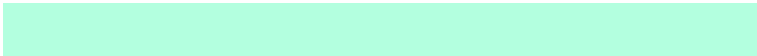
80, 74.828, 23.674

Sweetspot

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



80, 74.711, 153.607



94, 30.846, 165.646



80, 102.792, 130.738



50, 20.929, 165.152



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

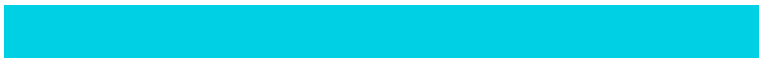
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80, 74.711, 153.607



89, 81.788, 153.446



77, 41.430, 211.114



47, 5.437, 167.803



64, 61.925, 154.003



18, 24.100, 158.186

Inverse Universe

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



48, 77.634, 11.121



54, 84.782, 11.491



48, 94.646, 40.765



45, 5.536, 349.395



38, 64.747, 10.220



7, 26.974, 1.358

Previews

White Background



This preview shows how the CIELCh color 80, 74.828, 153.674 looks on a white background.

Color Contrast Check

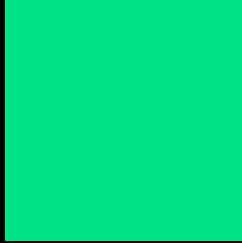
Large Text (above 18pt) WCAG AA × Fail

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 80, 74.828, 153.674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

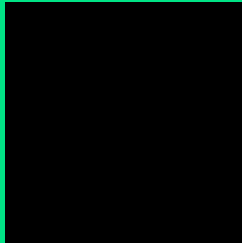
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 74.828, 153.674

Background



This preview shows how black text looks on a background with the CIELCh color 80, 74.828, 153.674.

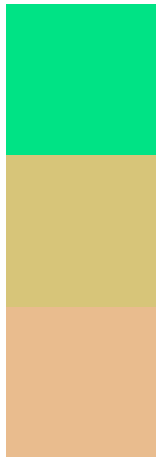


This preview shows how white text looks on a background with the CIELCh color 80, 74.828, 153.674.

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](#).

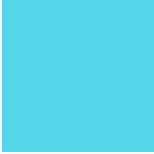
Dichromacy



Original Color
80, 74.728, 153.569

Protanopia
79, 40.517, 95.764

Deuteranopia
79, 31.065, 71.080



Tritanopia
80, 36.076, 212.727

Trichromacy



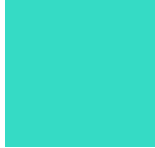
Original Color
80, 74.728, 153.569



Protanomaly
77, 51.331, 138.034



Deuteranomaly
76, 39.375, 138.713



Tritanomaly
79, 46.110, 181.351

Monochromacy



Original Color
80, 74.728, 153.569



Achromatopsia
62, 0.008, 296.813



Achromatomaly
66, 34.567, 163.671

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 74.828, 153.674 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, 227, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 133)  
}
```

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, 227, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 74.828, 153.674 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, 227, 133) }
```

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

```
.border{ border-color:rgb(0, 227, 133) }
```

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

Here you see how a box with a 4 pixel rgb(0, 227, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 74.828, 153.674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 133) }
```

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

```
.background{ background-color: rgb(0, 227,  
133) }
```

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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