

Converting Colors

CIELCh(78, 70.110, 156.086)

Have a look what the booklet for
CIELCh(78, 70.110, 156.086)
contains.

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Color

CIELCh(78, 69.829, 155.959)

Conversions

Conversions Part 1

Format	Color
Hex	02DC89
RGB	2, 220, 137
RGB Percent	1%, 86%, 54%
CMY	0.9919, 0.1358, 0.4614
CMYK	0.99, 0.00, 0.38, 0.14
HSL	157°, 98%, 44%
HSV	157°, 99%, 86%
XYZ	30.2567, 53.2120, 32.4711
YIQ	145.3560, -103.2850, -72.0290

Conversions

Conversions Part 2

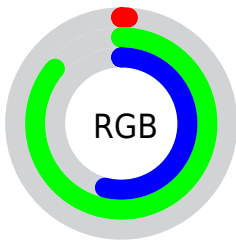
Format	Color
R _Y B	2, 137, 220
Decimal	187529
CIE Lab	78.00, -63.77, 28.45
CIE LCh	78, 69.829, 155.959
Yxy	53.2120, 0.2610, 0.4590
Android (android.graphics.Color)	4278377609 (0xFF02DC89)
YUV	145.3560, -4.1195, -125.7232
Hunter-Lab	72.9466, -53.6184, 24.6705

Details

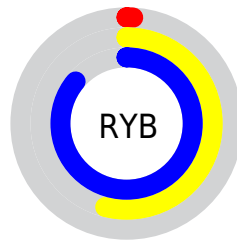
The CIELCh color **78, 69.829, 155.959** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **47, 76.147, 13.786**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 57.529, 160.867**, and **59, 61.597, 150.811** is the 20% darker color. If you saturate the color by 10%, you get **78, 70.180, 155.754**, and if you desaturate by 10%, it is **78, 65.934, 158.203**.

Distribution



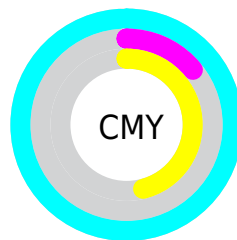
- Red (1%)
- Green (86%)
- Blue (54%)



- Red (1%)
- Yellow (54%)
- Blue (86%)



- Cyan (99%)
- Magenta (0%)
- Yellow (38%)
- Black (14%)





- Cyan (99%)
- Magenta (14%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 69.829, 155.959 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 78, 69.829, 155.959 by changing the saturation by 10% instead.


 78, 69.829,
155.959


 78, 69.829,
155.959


 100, 69.829,
155.959


 68, 69.829,
155.959


 98, 69.829,
155.959

 58, 69.829,
155.959

 48, 69.829,
155.959

 38, 69.829,
155.959

 28, 69.829,
155.959

 18, 69.829,
155.959

 8, 69.829, 155.959

0, 69.829, 155.959

78, 69.829,
155.959

78, 69.829,
155.959

78, 70.180,
155.754

78, 65.934,
158.203

79, 61.288,
160.282

79, 55.760,
162.149

80, 49.360,
163.811

81, 42.166,
165.290

82, 34.305,
166.609

■ 83, 25.926,
167.795

■ 85, 17.182,
168.873

■ 86, 8.215, 169.880

Harmonies

Complementary

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



78, 69.829, 155.959



47, 76.147, 13.786

Rectangle

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



78, 69.829, 155.959



78, 69.829, 205.959



78, 69.829, 335.959



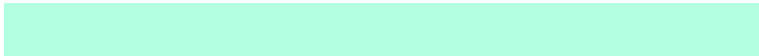
78, 69.829, 25.959

Sweetspot

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



78, 69.829, 155.959



95, 30.073, 167.661



78, 101.078, 131.471



50, 20.390, 167.166



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 69.829, 155.959



89, 78.648, 155.549



72, 39.476, 217.679



45, 5.122, 169.844



63, 58.256, 156.157



16, 21.608, 160.805

Inverse Universe

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



47, 76.147, 13.786



54, 85.430, 14.753



47, 91.178, 41.139



43, 5.228, 351.455



37, 63.732, 13.297



6, 24.192, 2.413

Previews

White Background



This preview shows how the CIELCh color 78, 69.829, 155.959 looks on a white background.

Color Contrast Check

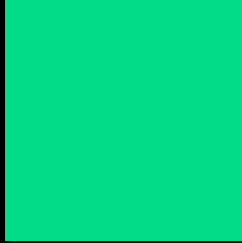
Large Text (above 18pt) WCAG AA × Fail

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 78, 69.829, 155.959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

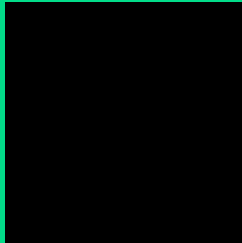
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 69.829, 155.959

Background



This preview shows how black text looks on a background with the CIELCh color 78, 69.829, 155.959.

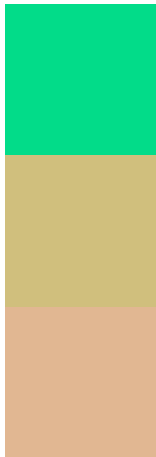


This preview shows how white text looks on a background with the CIELCh color 78, 69.829, 155.959.

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

78, 69.778, 155.930

Protanopia

77, 35.616, 95.382

Deuteranopia

77, 26.514, 67.730



Tritanopia
78, 35.718, 212.032

Trichromacy



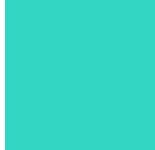
Original Color
78, 69.778, 155.930



Protanomaly
75, 46.807, 140.537



Deuteranomaly
75, 35.315, 142.138



Tritanomaly
78, 44.994, 182.345

Monochromacy



Original Color
78, 69.778, 155.930



Achromatopsia
61, 0.008, 296.813



Achromatomaly
65, 32.526, 165.890

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 69.829, 155.959 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(2, 220, 137)` looks like.

```
.text, #text, p{  
    color:rgb(2, 220, 137)  
}
```

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(2, 220, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 220, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 69.829, 155.959 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(2, 220, 137) }
```

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

```
.border{ border-color:rgb(2, 220, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 220, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 220, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 220, 137);  
box-shadow:4px 4px 4px 4px rgb(2, 220,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 69.829, 155.959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 220, 137) }
```

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

```
.background{ background-color: rgb(2, 220,  
137) }
```

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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