

Converting Colors

CIELCh(78, 69.478, 154.480)

Have a look what the booklet for
CIELCh(78, 69.478, 154.480)
contains.

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Color

CIELCh(78, 69.321, 154.617)

Conversions

Conversions Part 1

Format	Color
Hex	21DC87
RGB	33, 220, 135
RGB Percent	13%, 86%, 53%
CMY	0.8713, 0.1376, 0.4709
CMYK	0.85, 0.00, 0.39, 0.14
HSL	153°, 74%, 50%
HSV	153°, 85%, 86%
XYZ	30.5616, 53.2120, 31.5555
YIQ	154.3970, -84.1670, -66.0790

Conversions

Conversions Part 2

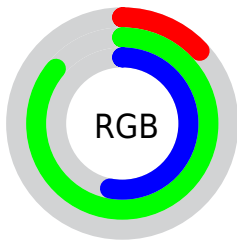
Format	Color
RYB	33, 154, 220
Decimal	2219143
CIELab	78.00, -62.63, 29.72
CIELCh	78, 69.321, 154.617
Yxy	53.2120, 0.2650, 0.4614
Android (android.graphics.Color)	4280409223 (0xFF21DC87)
YUV	154.3970, -9.5627, -106.4652
Hunter-Lab	72.9466, -52.8724, 25.4147

Details

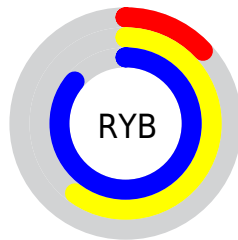
The CIELCh color **78, 69.321, 154.617** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **49, 72.328, 0.664**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 56.838, 159.201**, and **59, 62.402, 150.164** is the 20% darker color. If you saturate the color by 10%, you get **78, 74.125, 152.389**, and if you desaturate by 10%, it is **78, 63.652, 156.644**.

Distribution



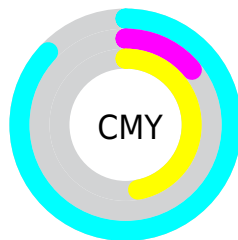
- Red (13%)
- Green (86%)
- Blue (53%)



- Red (13%)
- Yellow (60%)
- Blue (86%)



- Cyan (85%)
- Magenta (0%)
- Yellow (39%)
- Black (14%)





- Cyan (87%)
- Magenta (14%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 69.321, 154.617 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, 69.321, 154.617 by changing the saturation by 10% instead.


 78, 69.321,
154.617

 78, 69.321,
154.617


 100, 69.321,
154.617


 68, 69.321,
154.617


 98, 69.321,
154.617

 58, 69.321,
154.617

 48, 69.321,
154.617

 38, 69.321,
154.617

 28, 69.321,
154.617

 18, 69.321,
154.617

 8, 69.321, 154.617

0, 69.321, 154.617

78, 69.321,
154.617

78, 69.321,
154.617

78, 74.125,
152.389

78, 63.652,
156.644

78, 76.280,
151.277

79, 57.087,
158.456

80, 49.680,
160.061

81, 41.546,
161.481

82, 32.837,
162.740

83, 23.713,
163.865

■ 85, 14.331,
164.882

■ 87, 4.827, 165.854

■ 89, 4.683, 346.493

Harmonies

Complementary

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



78, 69.321, 154.617



49, 72.328, 0.664

Rectangle

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



78, 69.321, 154.617



78, 69.321, 204.617



78, 69.321, 334.617



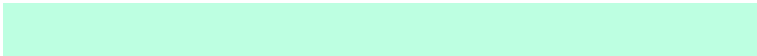
78, 69.321, 24.617

Sweetspot

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



78, 69.321, 154.617



95, 27.697, 163.743



79, 92.397, 127.876



50, 18.716, 163.359



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, 69.321, 154.617



89, 85.654, 151.068



78, 41.818, 201.206



45, 5.388, 165.425



62, 63.376, 151.681



16, 23.280, 156.438

Inverse Universe

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



49, 72.328, 0.664



55, 84.433, 7.447



48, 82.963, 36.641



43, 5.471, 346.966



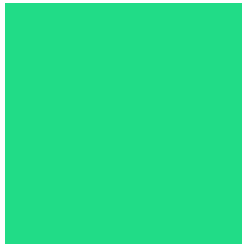
37, 63.227, 6.154



6, 24.659, 357.682

Previews

White Background



This preview shows how the CIE LCh color 78, 69.321, 154.617 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, 69.321, 154.617 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, 69.321, 154.617

Background



This preview shows how black text looks on a background with the CIELCh color 78, 69.321, 154.617.

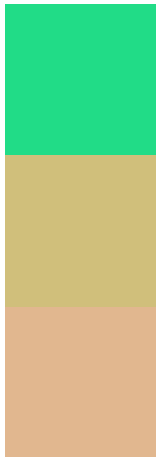


This preview shows how white text looks on a background with the CIELCh color 78, 69.321, 154.617.

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](#).

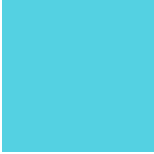
Dichromacy



Original Color
78, 69.321, 154.617

Protanopia
77, 36.624, 95.577

Deuteranopia
77, 27.804, 69.604



Tritanopia
78, 34.756, 212.521

Trichromacy



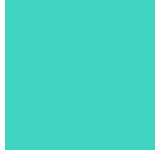
Original Color
78, 69.321, 154.617



Protanomaly
76, 45.551, 136.039



Deuteranomaly
75, 33.872, 135.358



Tritanomaly
78, 43.122, 181.845

Monochromacy



Original Color
78, 69.321, 154.617



Achromatopsia
64, 0.008, 296.813



Achromatomaly
67, 30.046, 162.337

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 69.321, 154.617 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(33, 220, 135)` looks like.

```
.text, #text, p{  
    color:rgb(33, 220, 135)  
}
```

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(33, 220, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 220, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 69.321, 154.617 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(33, 220, 135) }
```

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

```
.border{ border-color:rgb(33, 220, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 220, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 220, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 220, 135);  
box-shadow:4px 4px 4px 4px rgb(33, 220,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 69.321, 154.617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 220, 135) }
```

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

```
.background{ background-color: rgb(33, 220,  
135) }
```

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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