

Converting Colors

CIELCh(81, 70.380, 154.706)

Have a look what the booklet for
CIELCh(81, 70.380, 154.706)
contains.

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Color

CIELCh(81, 70.462, 154.688)

Conversions

Conversions Part 1

Format	Color
Hex	2AE58E
RGB	42, 229, 142
RGB Percent	16%, 90%, 56%
CMY	0.8354, 0.1020, 0.4432
CMYK	0.82, 0.00, 0.38, 0.10
HSL	152°, 78%, 53%
HSV	152°, 82%, 90%
XYZ	33.8480, 58.4711, 35.0857
YIQ	163.1690, -83.5250, -66.7010

Conversions

Conversions Part 2

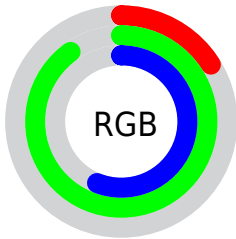
Format	Color
RYB	42, 164, 229
Decimal	2811278
CIELab	81.00, -63.70, 30.13
CIElCh	81, 70.462, 154.688
Yxy	58.4711, 0.2657, 0.4589
Android (android.graphics.Color)	4281001358 (0xFF2AE58E)
YUV	163.1690, -10.4363, -106.2652
Hunter-Lab	76.4664, -54.8029, 26.3220

Details

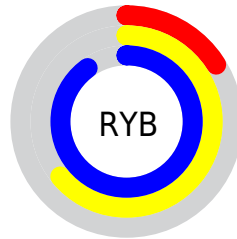
The CIELCh color **81, 70.462, 154.688** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle washed spring green. A complement of this color would be **52, 73.535, 358.645**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 53.248, 161.282**, and **62, 64.124, 150.785** is the 20% darker color. If you saturate the color by 10%, you get **81, 75.800, 152.515**, and if you desaturate by 10%, it is **82, 64.203, 156.651**.

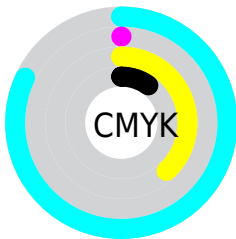
Distribution



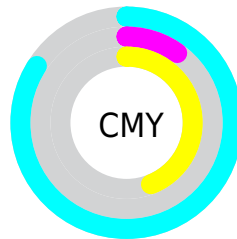
- Red (16%)
- Green (90%)
- Blue (56%)



- Red (16%)
- Yellow (64%)
- Blue (90%)



- Cyan (82%)
- Magenta (0%)
- Yellow (38%)
- Black (10%)





- Cyan (84%)
- Magenta (10%)
- Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 70.462, 154.688 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, 70.462, 154.688 by changing the saturation by 10% instead.

 81, 70.462,
154.688

 81, 70.462,
154.688


 100, 70.462,
154.688


 71, 70.462,
154.688

 61, 70.462,
154.688

 51, 70.462,
154.688

 41, 70.462,
154.688

 31, 70.462,
154.688

 21, 70.462,
154.688

 11, 70.462,

154.688

■ 1, 70.462, 154.688

■ 0, 70.462, 154.688

■ 81, 70.462,
154.688

■ 81, 70.462,
154.688

■ 81, 75.800,
152.515

■ 82, 64.203,
156.651

■ 80, 79.677,
150.615

■ 82, 57.022,
158.400

■ 83, 49.003,
159.945

■ 84, 40.282,
161.311

■ 86, 31.024,

162.523

■ 87, 21.398,
163.607

■ 89, 11.561,
164.592

■ 91, 1.649, 165.710

■ 93, 8.228, 346.173

Harmonies

Complementary

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



81, 70.462, 154.688



52, 73.535, 358.645

Rectangle

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



81, 70.462, 154.688



81, 70.462, 204.688



81, 70.462, 334.688



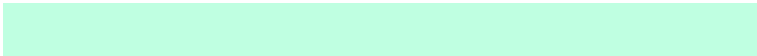
81, 70.462, 24.688

Sweetspot

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



81, 70.463, 154.688



95, 26.876, 163.243



82, 93.177, 127.701



50, 18.284, 162.859



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, 70.463, 154.688



89, 85.708, 150.921



81, 42.661, 201.104



47, 5.637, 164.803



64, 65.597, 151.024



18, 25.393, 155.248

Inverse Universe

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



52, 73.535, 358.645



55, 84.130, 5.439



51, 82.442, 35.641



45, 5.720, 346.340



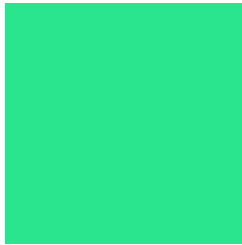
38, 64.620, 5.209



7, 27.304, 357.592

Previews

White Background



This preview shows how the CIE LCh color 81, 70.462, 154.688 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, 70.462, 154.688 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, 70.462, 154.688

Background



This preview shows how black text looks on a background with the CIELCh color 81, 70.462, 154.688.

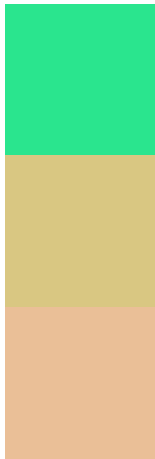


This preview shows how white text looks on a background with the CIELCh color 81, 70.462, 154.688.

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](#).

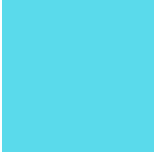
Dichromacy



Original Color
81, 70.462, 154.688

Protanopia
80, 36.966, 95.210

Deuteranopia
80, 27.812, 69.102



Tritanopia
81, 35.533, 212.066

Trichromacy



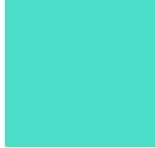
Original Color
81, 70.462, 154.688



Protanomaly
79, 45.515, 135.430



Deuteranomaly
78, 34.059, 135.011



Tritanomaly
81, 43.848, 181.528

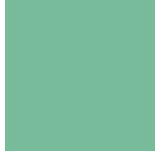
Monochromacy



Original Color
81, 70.462, 154.688



Achromatopsia
67, 0.008, 296.813



Achromatomaly
71, 30.197, 161.734

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 70.462, 154.688 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(42, 229, 142)` looks like.

```
.text, #text, p{  
    color:rgb(42, 229, 142)  
}
```

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(42, 229, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 229, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 70.462, 154.688 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(42, 229, 142) }
```

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

```
.border{ border-color:rgb(42, 229, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 229, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 229, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 229, 142);  
box-shadow:4px 4px 4px 4px rgb(42, 229,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 70.462, 154.688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 229, 142) }
```

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

```
.background{ background-color: rgb(42, 229,  
142) }
```

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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