

Converting Colors

CIELCh(80, 71.364, 154.410)

Have a look what the booklet for
CIELCh(80, 71.364, 154.410)
contains.

CIELCh(80, 71.188, 154.459)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(80, 71.188, 154.459)

Conversions

Conversions Part 1

Format	Color
Hex	21E28A
RGB	33, 226, 138
RGB Percent	13%, 89%, 54%
CMY	0.8722, 0.1128, 0.4580
CMYK	0.86, 0.00, 0.39, 0.11
HSL	153°, 77%, 51%
HSV	153°, 86%, 89%
XYZ	32.4788, 56.6813, 33.3559
YIQ	158.2610, -86.7800, -68.2840

Conversions

Conversions Part 2

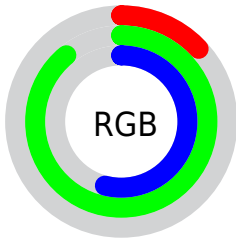
Format	Color
R _Y B	33, 158, 226
Decimal	2220682
CIE Lab	80.00, -64.23, 30.69
CIE LCh	80, 71.188, 154.459
Yxy	56.6813, 0.2651, 0.4626
Android (android.graphics.Color)	4280410762 (0xFF21E28A)
YUV	158.2610, -9.9887, -109.8539
Hunter-Lab	75.2870, -54.7473, 26.4325

Details

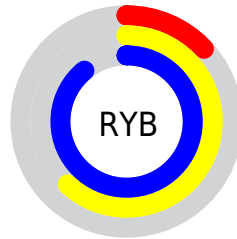
The CIELCh color **80, 71.188, 154.459** is a dark color, and the websafe version is hex **00CC66**. The color can be described as middle washed spring green. A complement of this color would be **50, 74.114, 0.882**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 55.587, 160.255**, and **61, 64.217, 150.065** is the 20% darker color. If you saturate the color by 10%, you get **80, 76.051, 152.215**, and if you desaturate by 10%, it is **80, 65.444, 156.503**.

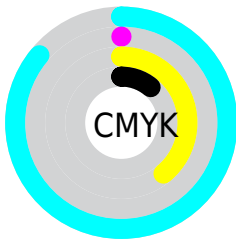
Distribution



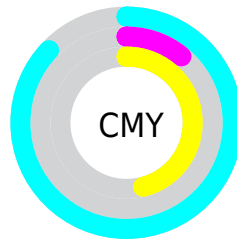
- Red (13%)
- Green (89%)
- Blue (54%)



- Red (13%)
- Yellow (62%)
- Blue (89%)



- Cyan (86%)
- Magenta (0%)
- Yellow (39%)
- Black (11%)





- Cyan (87%)
- Magenta (11%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 71.188, 154.459 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, 71.188, 154.459 by changing the saturation by 10% instead.


 80, 71.188,
154.459


 80, 71.188,
154.459


 100, 71.188,
154.459


 70, 71.188,
154.459

 60, 71.188,
154.459

 50, 71.188,
154.459

 40, 71.188,
154.459

 30, 71.188,
154.459

 20, 71.188,
154.459

 10, 71.188,

154.459

■ 0, 71.188, 154.459

■ 80, 71.188,
154.459

■ 80, 71.188,
154.459

■ 80, 76.051,
152.215

■ 80, 65.444,
156.503

■ 80, 78.015,
151.218

■ 81, 58.781,
158.332

■ 82, 51.249,
159.952

■ 83, 42.964,
161.385

■ 84, 34.080,
162.655

■ 86, 24.761,
163.789

■ 87, 15.169,
164.812

■ 89, 5.446, 165.782

■ 91, 4.290, 346.424

Harmonies

Complementary

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



80, 71.188, 154.459



50, 74.114, 0.882

Rectangle

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



80, 71.188, 154.459



80, 71.188, 204.459



80, 71.188, 334.459



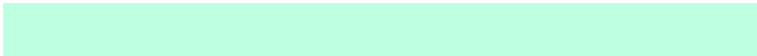
80, 71.188, 24.459

Sweetspot

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



80, 71.188, 154.459



95, 27.703, 163.726



81, 94.781, 127.919



50, 18.720, 163.343



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, 71.188, 154.459



89, 85.682, 151.052



80, 42.798, 201.229



46, 5.492, 165.406



63, 64.120, 151.637



17, 24.210, 156.112

Inverse Universe

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



50, 74.114, 0.882



55, 84.432, 7.418



49, 85.354, 36.842



44, 5.577, 346.951



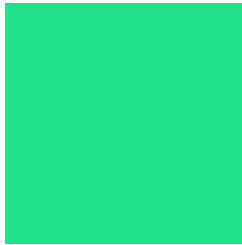
37, 63.914, 6.182



6, 26.031, 358.033

Previews

White Background



This preview shows how the CIELCh color 80, 71.188, 154.459 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, 71.188, 154.459 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, 71.188, 154.459

Background



This preview shows how black text looks on a background with the CIELCh color 80, 71.188, 154.459.

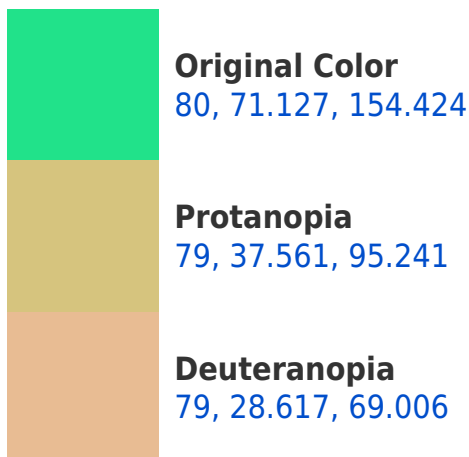



This preview shows how white text looks on a background with the CIELCh color 80, 71.188, 154.459.

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





Tritanopia
80, 35.595, 212.057

Trichromacy



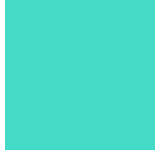
Original Color
80, 71.127, 154.424



Protanomaly
78, 46.447, 135.832



Deuteranomaly
77, 34.982, 135.622



Tritanomaly
80, 44.159, 181.541

Monochromacy



Original Color
80, 71.127, 154.424



Achromatopsia
65, 0.008, 296.813



Achromatomaly
69, 31.049, 162.544

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 71.188, 154.459 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, 226, 138)` looks like.

```
.text, #text, p{  
    color:rgb(33, 226, 138)  
}
```

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, 226, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 226, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 71.188, 154.459 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, 226, 138) }
```

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

```
.border{ border-color:rgb(33, 226, 138) }
```

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

Here you see how a box with a 4 pixel rgb(33, 226, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 226, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 226, 138);  
box-shadow:4px 4px 4px 4px rgb(33, 226,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 71.188, 154.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 226, 138) }
```

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

```
.background{ background-color: rgb(33, 226,  
138) }
```

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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