

Converting Colors

CIELCh(81, 61.173, 158.346)

Have a look what the booklet for
CIELCh(81, 61.173, 158.346)
contains.

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Color

CIELCh(81, 61.173, 158.346)

Conversions

Conversions Part 1

Format	Color
Hex	44E39D
RGB	68, 227, 157
RGB Percent	27%, 89%, 62%
CMY	0.7344, 0.1106, 0.3851
CMYK	0.70, 0.00, 0.31, 0.11
HSL	154°, 74%, 58%
HSV	154°, 70%, 89%
XYZ	35.8462, 58.4711, 41.2090
YIQ	171.4790, -72.2940, -55.4780

Conversions

Conversions Part 2

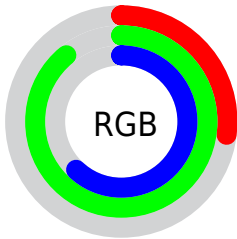
Format	Color
RYB	68, 170, 227
Decimal	4514717
CIELab	81.00, -56.86, 22.57
CIElCh	81, 61.173, 158.346
Yxy	58.4711, 0.2645, 0.4314
Android (android.graphics.Color)	4282704797 (0xFF44E39D)
YUV	171.4790, -7.1381, -90.7511
Hunter-Lab	76.4664, -50.1383, 21.5741

Details

The CIELCh color **81, 61.173, 158.346** is a light color, and the websafe version is hex **00CC99**. The color can be described as light muted spring green. A complement of this color would be **54, 66.300, 357.176**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 44.855, 166.914**, and **61, 57.508, 156.062** is the 20% darker color. If you saturate the color by 10%, you get **80, 67.296, 156.421**, and if you desaturate by 10%, it is **82, 54.151, 160.057**.

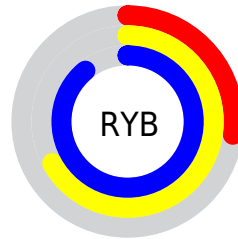
Distribution



Red (27%)

Green (89%)

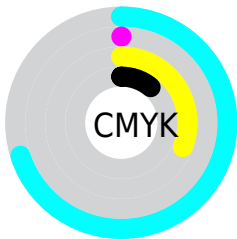
Blue (62%)



Red (27%)

Yellow (67%)

Blue (89%)

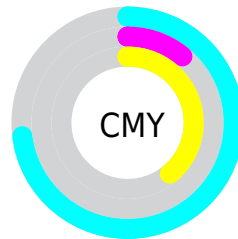


Cyan (70%)

Magenta (0%)

Yellow (31%)

Black (11%)



Cyan (73%)


Magenta (11%)


Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 61.173, 158.346 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, 61.173, 158.346 by changing the saturation by 10% instead.


 81, 61.173,
158.346


 81, 61.173,
158.346


 100, 61.173,
158.346


 71, 61.173,
158.346


 61, 61.173,
158.346

 51, 61.173,
158.346

 41, 61.173,
158.346

 31, 61.173,
158.346

 21, 61.173,
158.346

 11, 61.173,

158.346

■ 1, 61.173, 158.346

■ 0, 61.173, 158.346

■ 81, 61.173,
158.346

■ 81, 61.173,
158.346

■ 80, 67.296,
156.421

■ 82, 54.151,
160.057

■ 80, 72.507,
154.284

■ 83, 46.313,
161.572

■ 80, 76.908,
152.039

■ 84, 37.798,
162.915

■ 85, 28.765,
164.111


■ 87, 19.378,

165.186

 88, 9.788, 166.174

 90, 0.126, 170.736

 92, 9.504, 347.762

 93, 14.324,
334.912

Harmonies

Complementary

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



81, 61.173, 158.346



54, 66.300, 357.176

Rectangle

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



81, 61.173, 158.346



81, 61.173, 208.346



81, 61.173, 338.346



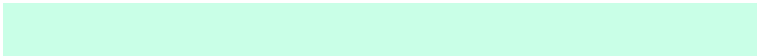
81, 61.173, 28.346

Sweetspot

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



81, 61.174, 158.346



96, 22.210, 165.084



82, 83.612, 127.992



51, 15.004, 164.792



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, 61.174, 158.346



89, 76.159, 155.504



80, 39.217, 203.074



46, 5.436, 166.242



63, 63.098, 152.461



17, 23.861, 156.925

Inverse Universe

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



54, 66.300, 357.176



57, 80.524, 1.732



54, 69.038, 32.830



44, 5.525, 347.803



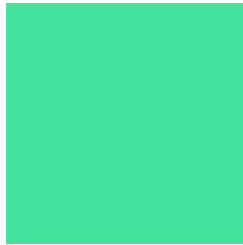
37, 63.923, 7.592



6, 25.926, 359.052

Previews

White Background



This preview shows how the CIE LCh color 81, 61.173, 158.346 looks on a white background.

Color Contrast Check

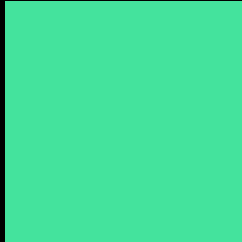
Large Text (above 18pt) WCAG AA × Fail

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, 61.173, 158.346 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, 61.173, 158.346

Background



This preview shows how black text looks on a background with the CIELCh color 81, 61.173, 158.346.

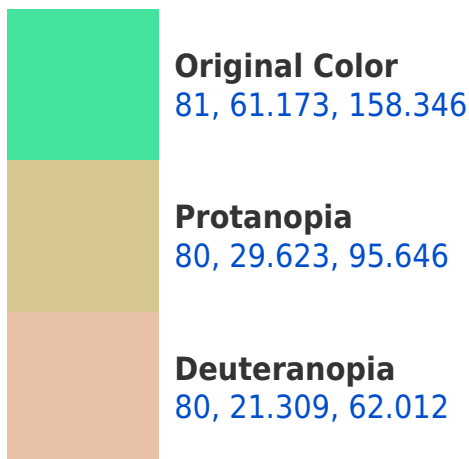


This preview shows how white text looks on a background with the CIELCh color 81, 61.173, 158.346.

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
81, 33.827, 213.907

Trichromacy



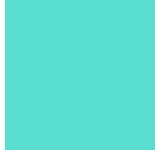
Original Color
81, 61.173, 158.346



Protanomaly
79, 36.616, 137.310



Deuteranomaly
79, 26.071, 136.824

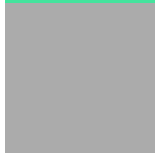


Tritanomaly
81, 39.647, 185.760

Monochromacy



Original Color
81, 61.173, 158.346



Achromatopsia
70, 0.009, 296.813



Achromatomaly
73, 25.035, 164.635

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 61.173, 158.346 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(68, 227, 157)` looks like.

```
.text, #text, p{  
    color:rgb(68, 227, 157)  
}
```

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(68, 227, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 227, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 61.173, 158.346 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(68, 227, 157) }
```

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

```
.border{ border-color:rgb(68, 227, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 227, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 227, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 227, 157);  
box-shadow:4px 4px 4px 4px rgb(68, 227,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 61.173, 158.346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 227, 157) }
```

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

```
.background{ background-color: rgb(68, 227,  
157) }
```

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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