

Converting Colors

CIELCh(81, 61.738, 164.875)

Have a look what the booklet for
CIELCh(81, 61.738, 164.875)
contains.

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Color

CIELCh(81, 61.671, 164.901)

Conversions

Conversions Part 1

Format	Color
Hex	09E4A9
RGB	9, 228, 169
RGB Percent	4%, 89%, 66%
CMY	0.9660, 0.1054, 0.3368
CMYK	0.96, 0.00, 0.26, 0.11
HSL	164°, 93%, 46%
HSV	164°, 96%, 89%
XYZ	35.0525, 58.4711, 47.0247
YIQ	155.7930, -111.5850, -64.7770

Conversions

Conversions Part 2

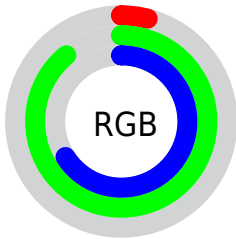
Format	Color
R_{YB}	9, 136, 228
Decimal	648361
CIE _{Lab}	81.00, -59.54, 16.06
CIE _{LCh}	81, 61.671, 164.901
Yxy	58.4711, 0.2494, 0.4160
Android (android.graphics.Color)	4278838441 (0xFF09E4A9)
YUV	155.7930, 6.5111, -128.7375
Hunter-Lab	76.4664, -51.9910, 17.0648

Details

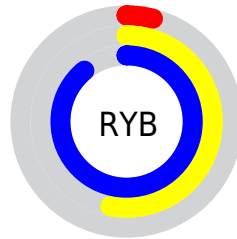
The CIELCh color **81, 61.671, 164.901** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **48, 80.593, 22.641**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 46.401, 176.194**, and **62, 53.287, 160.761** is the 20% darker color. If you saturate the color by 10%, you get **81, 62.711, 164.111**, and if you desaturate by 10%, it is **81, 58.613, 166.946**.

Distribution



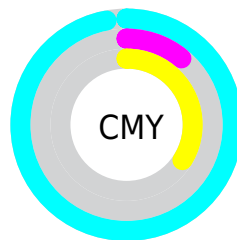
- Red (4%)
- Green (89%)
- Blue (66%)



- Red (4%)
- Yellow (53%)
- Blue (89%)



- Cyan (96%)
- Magenta (0%)
- Yellow (26%)
- Black (11%)





- Cyan (97%)
- Magenta (11%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 61.671, 164.901 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, 61.671, 164.901 by changing the saturation by 10% instead.


 81, 61.671,
164.901


 81, 61.671,
164.901


 100, 61.671,
164.901


 71, 61.671,
164.901

 61, 61.671,
164.901

 51, 61.671,
164.901

 41, 61.671,
164.901

 31, 61.671,
164.901

 21, 61.671,
164.901

 11, 61.671,

164.901

■ 1, 61.671, 164.901

■ 0, 61.671, 164.901

■ 81, 61.671,
164.901

■ 81, 61.671,
164.901

■ 81, 62.711,
164.111

■ 81, 58.613,
166.946

■ 82, 54.699,
168.798

■ 82, 49.856,
170.459

■ 83, 44.095,
171.947

■ 84, 37.497,

173.287

■ 85, 30.185,
174.504

■ 86, 22.302,
175.621

■ 88, 13.997,
176.663

■ 90, 5.409, 177.684

Harmonies

Complementary

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



81, 61.671, 164.901



48, 80.593, 22.641

Rectangle

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



81, 61.671, 164.901



81, 61.671, 214.901



81, 61.671, 344.901



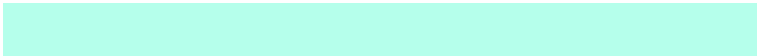
81, 61.671, 34.901

Sweetspot

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



81, 61.671, 164.900



95, 26.870, 175.298



80, 105.389, 133.359



50, 18.274, 174.818



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, 61.671, 164.900



89, 68.368, 163.969



68, 40.468, 238.243



47, 4.966, 177.344



65, 51.915, 164.479



18, 20.662, 168.208

Inverse Universe

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



48, 80.593, 22.641



54, 89.840, 25.102



51, 88.352, 43.727



45, 5.119, 358.996



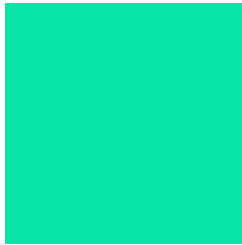
37, 68.113, 23.707



7, 26.641, 10.170

Previews

White Background



This preview shows how the CIE LCh color 81, 61.671, 164.901 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, 61.671, 164.901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

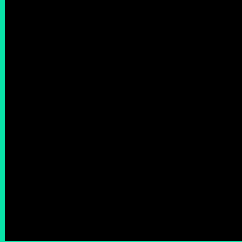
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 61.671, 164.901

Background



This preview shows how black text looks on a background with the CIELCh color 81, 61.671, 164.901.

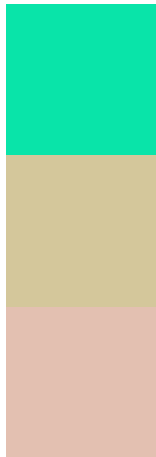


This preview shows how white text looks on a background with the CIELCh color 81, 61.671, 164.901.

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

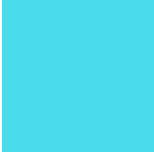
81, 61.646, 164.889

Protanopia

80, 23.820, 95.458

Deuteranopia

80, 15.866, 50.164



Tritanopia
81, 38.085, 211.739

Trichromacy



Original Color
81, 61.646, 164.889



Protanomaly
78, 37.448, 151.634



Deuteranomaly
78, 26.573, 158.894



Tritanomaly
81, 44.231, 189.416

Monochromacy



Original Color
81, 61.646, 164.889



Achromatopsia
64, 0.008, 296.813



Achromatomaly
69, 29.797, 174.126

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 61.671, 164.901 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(9, 228, 169)` looks like.

```
.text, #text, p{  
    color:rgb(9, 228, 169)  
}
```

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(9, 228, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 228, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 61.671, 164.901 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(9, 228, 169) }
```

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

```
.border{ border-color:rgb(9, 228, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 228, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 228, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 228, 169);  
box-shadow:4px 4px 4px 4px rgb(9, 228,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 61.671, 164.901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 228, 169) }
```

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

```
.background{ background-color: rgb(9, 228,  
169) }
```

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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