

Converting Colors

CIELCh(81, 61.221, 164.850)

Have a look what the booklet for
CIELCh(81, 61.221, 164.850)
contains.

CIELCh(81, 61.336, 164.745)	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(81, 61.336, 164.745)

Conversions

Conversions Part 1

Format	Color
Hex	13E4A9
RGB	19, 228, 169
RGB Percent	7%, 89%, 66%
CMY	0.9259, 0.1060, 0.3374
CMYK	0.92, 0.00, 0.26, 0.11
HSL	163°, 85%, 48%
HSV	163°, 92%, 89%
XYZ	35.1603, 58.4711, 46.9557
YIQ	158.7830, -105.6250, -62.6570

Conversions

Conversions Part 2

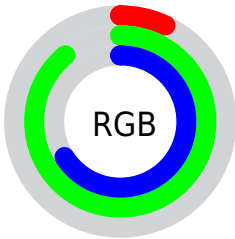
Format	Color
RYB	19, 141, 228
Decimal	1303721
CIELab	81.00, -59.17, 16.14
CIELCh	81, 61.336, 164.745
Yxy	58.4711, 0.2501, 0.4159
Android (android.graphics.Color)	4279493801 (0xFF13E4A9)
YUV	158.7830, 5.0370, -122.5897
Hunter-Lab	76.4664, -51.7394, 17.1182

Details

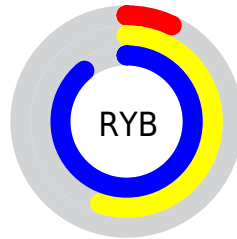
The CIELCh color **81, 61.336, 164.745** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **49, 78.076, 18.993**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 46.029, 176.049**, and **62, 53.287, 160.761** is the 20% darker color. If you saturate the color by 10%, you get **81, 63.764, 162.986**, and if you desaturate by 10%, it is **81, 57.779, 166.738**.

Distribution



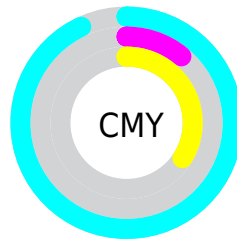
- Red (7%)
- Green (89%)
- Blue (66%)



- Red (7%)
- Yellow (55%)
- Blue (89%)



- Cyan (92%)
- Magenta (0%)
- Yellow (26%)
- Black (11%)





- Cyan (93%)
- Magenta (11%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 61.336, 164.745 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, 61.336, 164.745 by changing the saturation by 10% instead.


 81, 61.336,
164.745


 81, 61.336,
164.745


 100, 61.336,
164.745


 71, 61.336,
164.745

 61, 61.336,
164.745

 51, 61.336,
164.745

 41, 61.336,
164.745

 31, 61.336,
164.745

 21, 61.336,
164.745

 11, 61.336,

164.745

■ 1, 61.336, 164.745

■ 0, 61.336, 164.745

■ 81, 61.336,
164.745

■ 81, 61.336,
164.745

■ 81, 63.764,
162.986

■ 81, 57.779,
166.738

■ 82, 53.322,
168.532

■ 82, 47.936,
170.138

■ 83, 41.669,
171.577

■ 84, 34.624,

172.874

■ 86, 26.939,
174.055

■ 87, 18.762,
175.144

■ 89, 10.238,
176.168

■ 90, 1.500, 177.406

Harmonies

Complementary

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



81, 61.336, 164.745



49, 78.076, 18.993

Rectangle

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



81, 61.336, 164.745



81, 61.336, 214.745



81, 61.336, 344.745



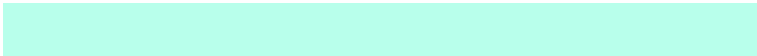
81, 61.336, 34.745

Sweetspot

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



81, 61.336, 164.744



95, 26.227, 174.450



80, 103.601, 133.049



50, 17.956, 173.964



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, 61.336, 164.744



89, 69.556, 162.841



69, 39.950, 236.406



47, 5.003, 176.395



65, 52.799, 163.359



18, 20.962, 167.158

Inverse Universe

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



49, 78.076, 18.993



54, 89.152, 23.944



52, 84.971, 43.870



45, 5.151, 358.050



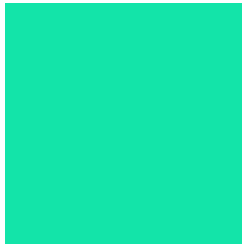
37, 67.634, 22.545



7, 26.646, 9.472

Previews

White Background



This preview shows how the CIE LCh color 81, 61.336, 164.745 looks on a white background.

Color Contrast Check

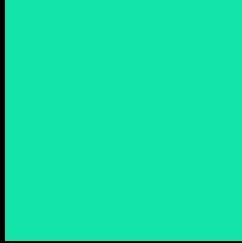
Large Text (above 18pt) WCAG AA × Fail

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, 61.336, 164.745 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

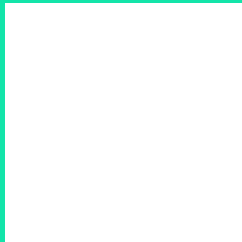
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 61.336, 164.745

Background



This preview shows how black text looks on a background with the CIELCh color 81, 61.336, 164.745.

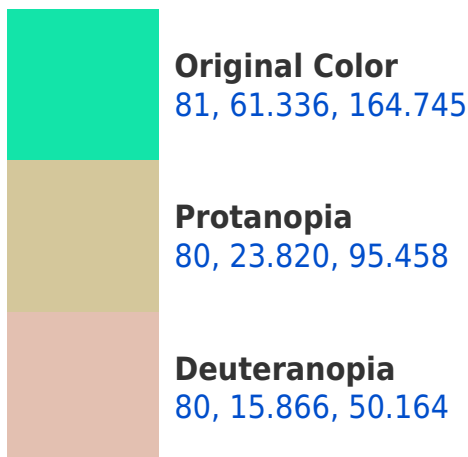


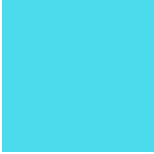
This preview shows how white text looks on a background with the CIELCh color 81, 61.336, 164.745.

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, 37.953, 211.800

Trichromacy



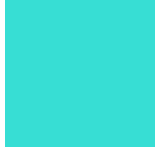
Original Color
81, 61.336, 164.745



Protanomaly
79, 36.527, 150.290



Deuteranomaly
78, 25.793, 157.599



Tritanomaly
81, 43.721, 189.369

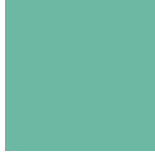
Monochromacy



Original Color
81, 61.336, 164.745



Achromatopsia
65, 0.008, 296.813



Achromatomaly
70, 28.751, 173.421

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 61.336, 164.745 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(19, 228, 169)` looks like.

```
.text, #text, p{  
    color:rgb(19, 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(19, 228, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 228, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 61.336, 164.745 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(19, 228, 169) }
```

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

```
.border{ border-color:rgb(19, 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(19, 228, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 228, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 228, 169);  
box-shadow:4px 4px 4px 4px rgb(19, 228,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 61.336, 164.745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 228, 169) }
```

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

```
.background{ background-color: rgb(19, 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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