

Converting Colors

CIELCh(80, 64.054, 166.033)

Have a look what the booklet for
CIELCh(80, 64.054, 166.033)
contains.

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Color

CIELCh(80, 61.633, 164.804)

Conversions

Conversions Part 1

Format	Color
Hex	00E1A6
RGB	0, 225, 166
RGB Percent	0%, 88%, 65%
CMY	1.0000, 0.1169, 0.3481
CMYK	1.00, 0.00, 0.26, 0.12
HSL	164°, 100%, 44%
HSV	164°, 100%, 88%
XYZ	33.8219, 56.6813, 45.3513
YIQ	150.9990, -115.1610, -66.0490

Conversions

Conversions Part 2

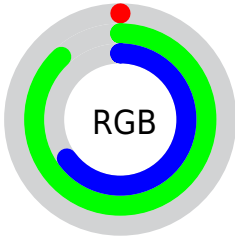
Format	Color
RYB	0, 129, 225
Decimal	57766
CIELab	80.00, -59.48, 16.16
CIELCh	80, 61.633, 164.804
Yxy	56.6813, 0.2490, 0.4172
Android (android.graphics.Color)	4278247846 (0xFF00E1A6)
YUV	150.9990, 7.3955, -132.4261
Hunter-Lab	75.2870, -51.5630, 16.9859

Details

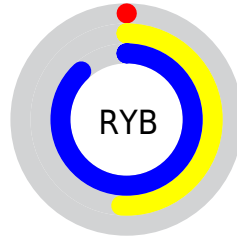
The CIELCh color **80, 61.633, 164.804** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **47, 81.884, 25.281**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 47.583, 174.650**, and **61, 52.935, 160.366** is the 20% darker color. If you saturate the color by 10%, you get **80, 61.516, 164.749**, and if you desaturate by 10%, it is **80, 58.767, 166.806**.

Distribution



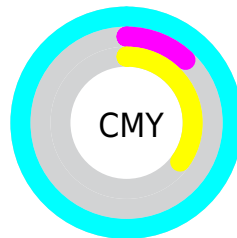
- Red (0%)
- Green (88%)
- Blue (65%)



- Red (0%)
- Yellow (51%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (12%)





- Cyan (100%)
- Magenta (12%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 61.633, 164.804 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, 61.633, 164.804 by changing the saturation by 10% instead.


 80, 61.633,
164.804


 80, 61.633,
164.804


 100, 61.633,
164.804


 70, 61.633,
164.804


 60, 61.633,
164.804

 50, 61.633,
164.804

 40, 61.633,
164.804

 30, 61.633,
164.804

 20, 61.633,
164.804

 10, 61.633,

164.804

■ 0, 61.633, 164.804

■ 80, 61.633,
164.804

■ 80, 61.633,
164.804

■ 80, 61.516,
164.749

■ 80, 58.767,
166.806

■ 81, 55.295,
168.711

■ 81, 50.918,
170.424

■ 82, 45.617,
171.959

■ 83, 39.450,
173.338

■ 84, 32.522,
174.589

■ 85, 24.969,
175.733

■ 86, 16.939,
176.795

■ 88, 8.571, 177.806

Harmonies

Complementary

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



80, 61.633, 164.804



47, 81.884, 25.281

Rectangle

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



80, 61.633, 164.804



80, 61.633, 214.804



80, 61.633, 344.804



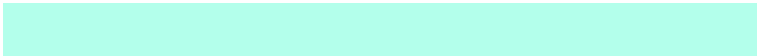
80, 61.633, 34.804

Sweetspot

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



80, 61.516, 164.749



95, 27.607, 175.710



79, 105.982, 133.872



50, 18.662, 175.235



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, 61.516, 164.749



89, 67.735, 164.591



66, 41.065, 243.385



46, 4.856, 177.862



64, 50.880, 165.120



17, 19.794, 169.024

Inverse Universe

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



47, 81.884, 25.281



54, 90.225, 25.713



50, 89.413, 44.271



44, 5.009, 359.506



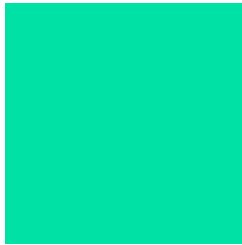
37, 67.629, 24.256



6, 25.307, 9.666

Previews

White Background



This preview shows how the CIELCh color 80, 61.633, 164.804 looks on a white background.

Color Contrast Check

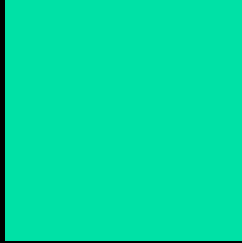
Large Text (above 18pt) WCAG AA × Fail

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, 61.633, 164.804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

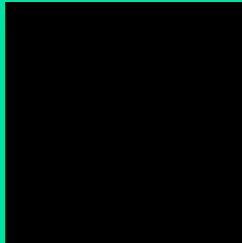
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 61.633, 164.804

Background



This preview shows how black text looks on a background with the CIELCh color 80, 61.633, 164.804.

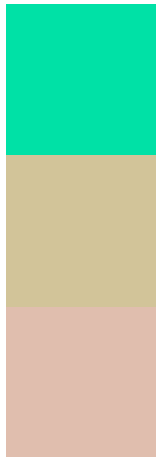


This preview shows how white text looks on a background with the CIELCh color 80, 61.633, 164.804.

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](#).

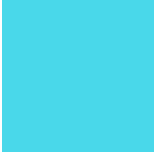
Dichromacy



Original Color
80, 61.515, 164.708

Protanopia
79, 23.468, 94.240

Deuteranopia
79, 15.864, 52.432



Tritanopia
80, 37.676, 211.947

Trichromacy



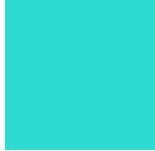
Original Color
80, 61.515, 164.708



Protanomaly
77, 37.369, 152.448



Deuteranomaly
77, 27.761, 159.228



Tritanomaly
80, 44.105, 189.355

Monochromacy



Original Color
80, 61.515, 164.708



Achromatopsia
62, 0.008, 296.813



Achromatomaly
67, 30.335, 174.359

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 61.633, 164.804 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(0, 225, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 225, 166)  
}
```

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(0, 225, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 225, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 61.633, 164.804 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(0, 225, 166) }
```

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

```
.border{ border-color:rgb(0, 225, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 225, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 225, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 225, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 225,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 61.633, 164.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 225, 166) }
```

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

```
.background{ background-color: rgb(0, 225,  
166) }
```

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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