

Converting Colors

CIELCh(79, 69.563, 162.835)

Have a look what the booklet for
CIELCh(79, 69.563, 162.835)
contains.

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Color

CIELCh(80, 65.490, 160.678)

Conversions

Conversions Part 1

Format	Color
Hex	04E29C
RGB	4, 226, 156
RGB Percent	2%, 89%, 61%
CMY	0.9830, 0.1146, 0.3894
CMYK	0.98, 0.00, 0.31, 0.11
HSL	161°, 96%, 45%
HSV	161°, 98%, 89%
XYZ	33.1609, 56.6813, 40.5119
YIQ	151.6420, -109.8420, -68.8340

Conversions

Conversions Part 2

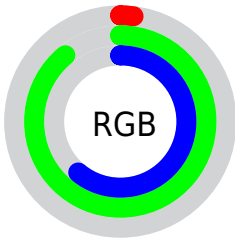
Format	Color
RYB	4, 136, 226
Decimal	320156
CIELab	80.00, -61.80, 21.67
CIELCh	80, 65.490, 160.678
Yxy	56.6813, 0.2544, 0.4348
Android (android.graphics.Color)	4278510236 (0xFF04E29C)
YUV	151.6420, 2.1485, -129.4820
Hunter-Lab	75.2870, -53.1301, 20.7969

Details

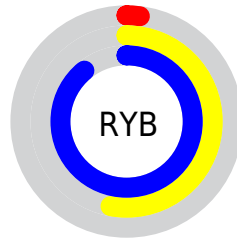
The CIELCh color **80, 65.490, 160.678** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **48, 78.950, 19.395**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 50.521, 169.431**, and **61, 57.399, 155.925** is the 20% darker color. If you saturate the color by 10%, you get **80, 66.105, 160.264**, and if you desaturate by 10%, it is **80, 62.100, 162.847**.

Distribution



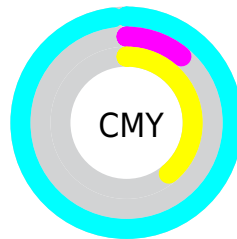
- Red (2%)
- Green (89%)
- Blue (61%)



- Red (2%)
- Yellow (53%)
- Blue (89%)



- Cyan (98%)
- Magenta (0%)
- Yellow (31%)
- Black (11%)





- Cyan (98%)
- Magenta (11%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 65.490, 160.678 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, 65.490, 160.678 by changing the saturation by 10% instead.


 80, 65.490,
160.678


 80, 65.490,
160.678


 100, 65.490,
160.678


 70, 65.490,
160.678

 60, 65.490,
160.678

 50, 65.490,
160.678

 40, 65.490,
160.678

 30, 65.490,
160.678

 20, 65.490,
160.678

 10, 65.490,

160.678

■ 0, 65.490, 160.678

■ 80, 65.490,
160.678

■ 80, 65.490,
160.678

■ 80, 66.105,
160.264

■ 80, 62.100,
162.847

■ 81, 57.913,
164.833

■ 81, 52.819,
166.615

■ 82, 46.825,
168.205

■ 83, 40.006,
169.628

■ 84, 32.484,
170.909

■ 85, 24.406,
172.072

■ 87, 15.922,
173.143

■ 88, 7.173, 174.161

Harmonies

Complementary

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



80, 65.490, 160.678



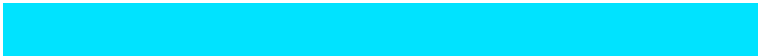
48, 78.950, 19.395

Rectangle

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



80, 65.490, 160.678



80, 65.490, 210.678



80, 65.490, 340.678



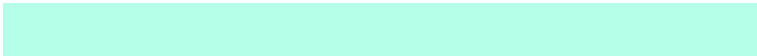
80, 65.490, 30.678

Sweetspot

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



80, 65.490, 160.678



95, 27.772, 171.947



79, 104.396, 132.867



50, 18.912, 171.456



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, 65.490, 160.678



89, 72.672, 160.101



70, 39.710, 231.765



46, 5.012, 174.022



64, 54.512, 160.662



17, 20.986, 164.843

Inverse Universe

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



48, 78.950, 19.395



54, 87.568, 20.852



50, 90.184, 42.616



44, 5.143, 355.671



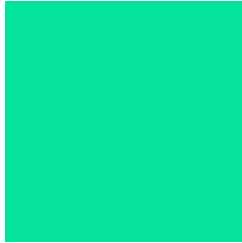
37, 65.818, 19.392



6, 25.392, 6.799

Previews

White Background



This preview shows how the CIE LCh color 80, 65.490, 160.678 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 CIE LCh color 80, 65.490, 160.678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

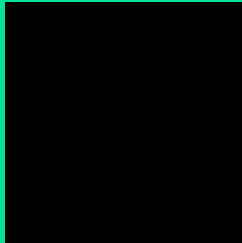
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 65.490, 160.678

Background



This preview shows how black text looks on a background with the CIELCh color 80, 65.490, 160.678.

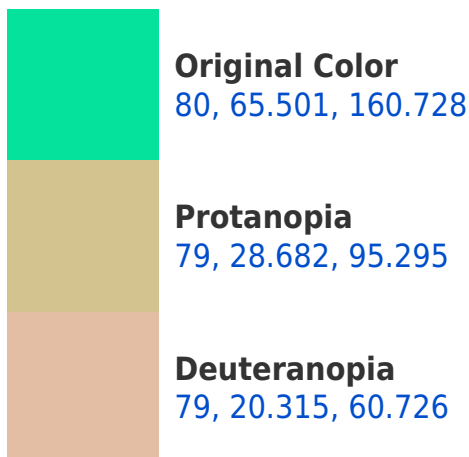


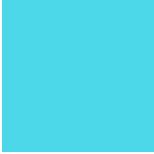
This preview shows how white text looks on a background with the CIELCh color 80, 65.490, 160.678.

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, 37.126, 211.330

Trichromacy



Original Color
80, 65.501, 160.728



Protanomaly
77, 41.025, 146.818



Deuteranomaly
77, 30.277, 150.869



Tritanomaly
80, 44.829, 185.952

Monochromacy



Original Color
80, 65.501, 160.728



Achromatopsia
63, 0.008, 296.813



Achromatomaly
67, 31.590, 169.778

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 65.490, 160.678 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(4, 226, 156)` looks like.

```
.text, #text, p{  
    color:rgb(4, 226, 156)  
}
```

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(4, 226, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 226, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 65.490, 160.678 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(4, 226, 156) }
```

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

```
.border{ border-color:rgb(4, 226, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 226, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 226, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 226, 156);  
box-shadow:4px 4px 4px 4px rgb(4, 226,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 65.490, 160.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 226, 156) }
```

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

```
.background{ background-color: rgb(4, 226,  
156) }
```

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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