

Converting Colors

CIELCh(76, 59.917, 163.906)

Have a look what the booklet for
CIELCh(76, 59.917, 163.906)
contains.

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Color

CIELCh(76, 59.736, 163.914)

Conversions

Conversions Part 1

Format	Color
Hex	00D59B
RGB	0, 213, 155
RGB Percent	0%, 84%, 61%
CMY	1.0000, 0.1652, 0.3926
CMYK	1.00, 0.00, 0.27, 0.17
HSL	164°, 100%, 42%
HSV	164°, 100%, 83%
XYZ	29.6634, 49.8872, 39.0273
YIQ	142.7010, -108.3300, -63.1940

Conversions

Conversions Part 2

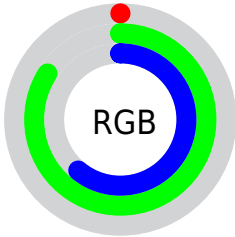
Format	Color
RYB	0, 123, 213
Decimal	54683
CIELab	76.00, -57.40, 16.55
CIELCh	76, 59.736, 163.914
Yxy	49.8872, 0.2502, 0.4207
Android (android.graphics.Color)	4278244763 (0xFF00D59B)
YUV	142.7010, 6.0634, -125.1488
Hunter-Lab	70.6309, -48.6380, 16.6808

Details

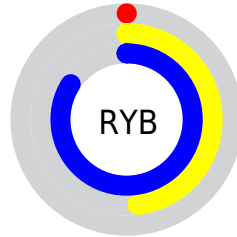
The CIELCh color **76, 59.736, 163.914** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **45, 77.903, 24.150**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 51.534, 169.290**, and **57, 51.257, 159.303** is the 20% darker color. If you saturate the color by 10%, you get **76, 59.719, 163.905**, and if you desaturate by 10%, it is **76, 56.960, 165.974**.

Distribution



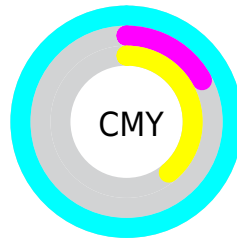
- Red (0%)
- Green (84%)
- Blue (61%)



- Red (0%)
- Yellow (48%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (17%)





- Cyan (100%)
- Magenta (17%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 59.736, 163.914 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 76, 59.736, 163.914 by changing the saturation by 10% instead.


 76, 59.736,
163.914


 76, 59.736,
163.914


 100, 59.736,
163.914


 66, 59.736,
163.914


 96, 59.736,
163.914

 56, 59.736,
163.914

 46, 59.736,
163.914

 36, 59.736,
163.914

 26, 59.736,
163.914

 16, 59.736,
163.914

 6, 59.736, 163.914

■ 0, 59.736, 163.914

■ 76, 59.736,
163.914

■ 76, 59.736,
163.914

■ 76, 59.719,
163.905

■ 76, 56.960,
165.974

■ 77, 53.519,
167.895

■ 77, 49.216,
169.622

■ 78, 44.039,
171.169

■ 79, 38.042,
172.558

■ 80, 31.330,
173.816

■ 81, 24.034,
174.965

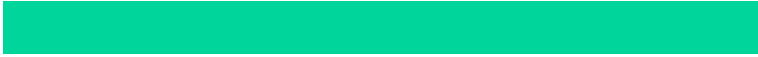
■ 82, 16.291,
176.030

■ 84, 8.238, 177.041

Harmonies

Complementary

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



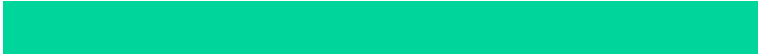
76, 59.736, 163.914



45, 77.903, 24.150

Rectangle

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



76, 59.736, 163.914



76, 59.736, 213.914



76, 59.736, 343.914



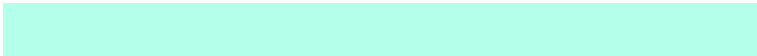
76, 59.736, 33.914

Sweetspot

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



76, 59.719, 163.905



95, 27.808, 174.931



75, 101.203, 133.561



50, 18.803, 174.452



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76, 59.719, 163.905



89, 68.681, 163.667



64, 38.785, 239.623



44, 4.701, 177.099



62, 50.426, 164.254



15, 18.563, 168.729

Inverse Universe

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



45, 77.903, 24.150



54, 89.654, 24.798



47, 86.257, 43.796



42, 4.844, 358.736



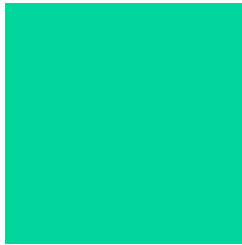
36, 65.730, 23.195



5, 22.198, 7.599

Previews

White Background



This preview shows how the CIELCh color 76, 59.736, 163.914 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 76, 59.736, 163.914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

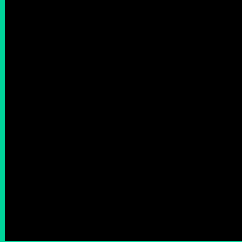
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 59.736, 163.914

Background



This preview shows how black text looks on a background with the CIELCh color 76, 59.736, 163.914.

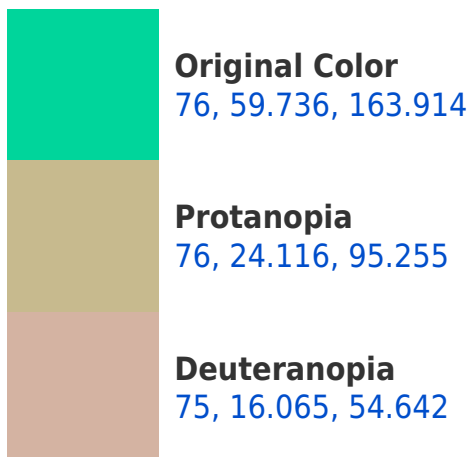


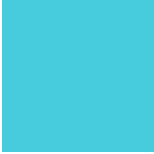
This preview shows how white text looks on a background with the CIELCh color 76, 59.736, 163.914.

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
76, 35.887, 211.992

Trichromacy



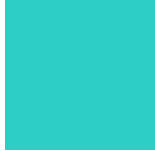
Original Color
76, 59.736, 163.914



Protanomaly
74, 36.779, 150.951



Deuteranomaly
73, 27.010, 157.430



Tritanomaly
76, 42.184, 188.961

Monochromacy



Original Color
76, 59.736, 163.914



Achromatopsia
59, 0.008, 296.813



Achromatomaly
64, 29.205, 173.168

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 59.736, 163.914 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, 213, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 213, 155)  
}
```

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, 213, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 213, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 59.736, 163.914 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, 213, 155) }
```

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

```
.border{ border-color:rgb(0, 213, 155) }
```

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

Here you see how a box with a 4 pixel rgb(0, 213, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 213, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 213, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 213,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 59.736, 163.914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 213, 155) }
```

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

```
.background{ background-color: rgb(0, 213,  
155) }
```

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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