

Converting Colors

CIELCh(79, 67.184, 158.573)

Have a look what the booklet for
CIELCh(79, 67.184, 158.573)
contains.

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Color

CIELCh(79, 66.999, 158.723)

Conversions

Conversions Part 1

Format	Color
Hex	05DF94
RGB	5, 223, 148
RGB Percent	2%, 87%, 58%
CMY	0.9809, 0.1256, 0.4197
CMYK	0.98, 0.00, 0.34, 0.13
HSL	159°, 96%, 45%
HSV	159°, 98%, 87%
XYZ	31.7839, 54.9284, 36.9328
YIQ	149.2680, -105.8530, -69.5410

Conversions

Conversions Part 2

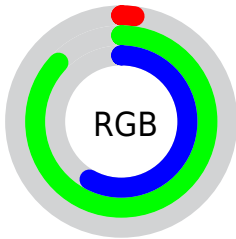
Format	Color
RYB	5, 137, 223
Decimal	384916
CIELab	79.00, -62.43, 24.31
CIELCh	79, 66.999, 158.723
Yxy	54.9284, 0.2571, 0.4442
Android (android.graphics.Color)	4278574996 (0xFF05DF94)
YUV	149.2680, -0.6251, -126.5230
Hunter-Lab	74.1137, -53.1487, 22.3338

Details

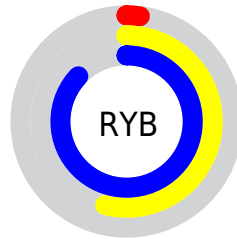
The CIELCh color **79, 66.999, 158.723** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **47, 77.282, 16.648**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 53.410, 165.226**, and **60, 58.682, 154.008** is the 20% darker color. If you saturate the color by 10%, you get **79, 67.753, 158.244**, and if you desaturate by 10%, it is **79, 63.354, 160.927**.

Distribution



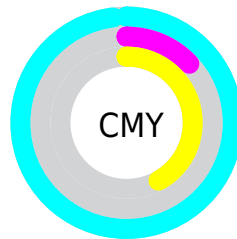
- Red (2%)
- Green (87%)
- Blue (58%)



- Red (2%)
- Yellow (54%)
- Blue (87%)



- Cyan (98%)
- Magenta (0%)
- Yellow (34%)
- Black (13%)





- Cyan (98%)
- Magenta (13%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 66.999, 158.723 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 79, 66.999, 158.723 by changing the saturation by 10% instead.


 79, 66.999,
158.723

 79, 66.999,
158.723


 100, 66.999,
158.723


 69, 66.999,
158.723


 99, 66.999,
158.723

 59, 66.999,
158.723

 49, 66.999,
158.723

 39, 66.999,
158.723

 29, 66.999,
158.723

 19, 66.999,
158.723

 9, 66.999, 158.723

■ 0, 66.999, 158.723

■ 79, 66.999,
158.723

■ 79, 66.999,
158.723

■ 79, 67.753,
158.244

■ 79, 63.354,
160.927

■ 80, 58.911,
162.945

■ 80, 53.574,
164.754

■ 81, 47.354,
166.367

■ 82, 40.333,
167.806

■ 83, 32.638,
169.097

■ 84, 24.415,
170.266

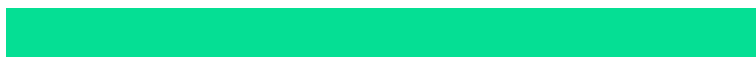
■ 86, 15.816,
171.336

■ 87, 6.980, 172.351

Harmonies

Complementary

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



79, 66.999, 158.723



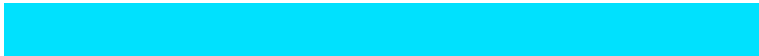
47, 77.282, 16.648

Rectangle

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



79, 66.999, 158.723



79, 66.999, 208.723



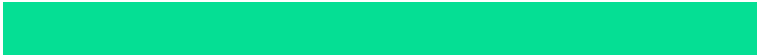
79, 66.999, 338.723



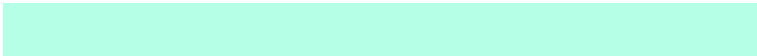
79, 66.999, 28.723

Sweetspot

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



79, 66.999, 158.723



95, 28.330, 170.108



79, 102.459, 132.141



50, 19.306, 169.613



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



79, 66.999, 158.723



89, 75.222, 158.060



71, 39.278, 224.434



46, 5.098, 172.184



64, 56.391, 158.631



17, 21.607, 162.911

Inverse Universe

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



47, 77.282, 16.648



54, 86.510, 18.273



48, 90.248, 41.708



44, 5.219, 353.822



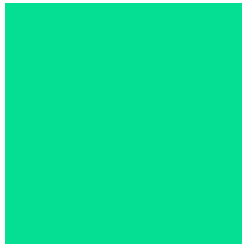
37, 65.121, 16.834



6, 25.464, 5.224

Previews

White Background



This preview shows how the CIE LCh color 79, 66.999, 158.723 looks on a white background.

Color Contrast Check

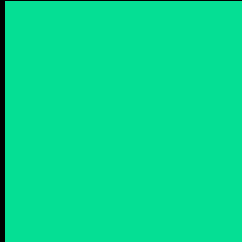
Large Text (above 18pt) WCAG AA × Fail

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 79, 66.999, 158.723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

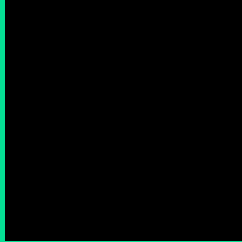
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 79, 66.999, 158.723

Background



This preview shows how black text looks on a background with the CIELCh color 79, 66.999, 158.723.

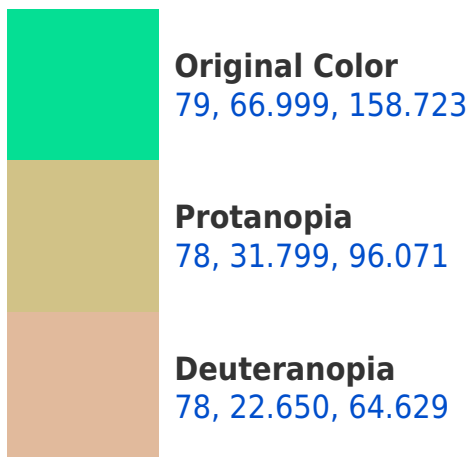


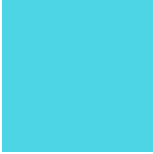
This preview shows how white text looks on a background with the CIELCh color 79, 66.999, 158.723.

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
79, 36.571, 211.604

Trichromacy



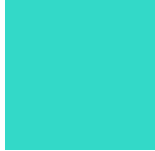
Original Color
79, 66.999, 158.723



Protanomaly
77, 43.432, 143.902

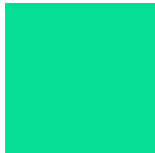


Deuteranomaly
76, 31.985, 146.835



Tritanomaly
79, 44.778, 184.479

Monochromacy



Original Color
79, 66.999, 158.723



Achromatopsia
62, 0.008, 296.813



Achromatomaly
66, 31.469, 168.430

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 66.999, 158.723 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(5, 223, 148)` looks like.

```
.text, #text, p{  
    color:rgb(5, 223, 148)  
}
```

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(5, 223, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 223, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 66.999, 158.723 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(5, 223, 148) }
```

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

```
.border{ border-color:rgb(5, 223, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 223, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 223, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 223, 148);  
box-shadow:4px 4px 4px 4px rgb(5, 223,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 66.999, 158.723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 223, 148) }
```

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

```
.background{ background-color: rgb(5, 223,  
148) }
```

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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