

Converting Colors

CIELCh(77, 55.652, 169.230)

Have a look what the booklet for
CIELCh(77, 55.652, 169.230)
contains.

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Color

CIELCh(77, 55.658, 169.188)

Conversions

Conversions Part 1

Format	Color
Hex	05D7A9
RGB	5, 215, 169
RGB Percent	2%, 84%, 66%
CMY	0.9790, 0.1566, 0.3370
CMYK	0.98, 0.00, 0.21, 0.16
HSL	167°, 95%, 43%
HSV	167°, 98%, 84%
XYZ	31.5486, 51.5317, 45.8470
YIQ	146.9660, -110.3940, -58.8260

Conversions

Conversions Part 2

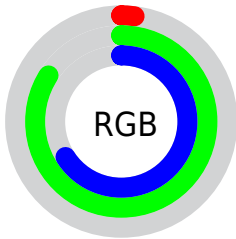
Format	Color
RYB	5, 123, 215
Decimal	382889
CIELab	77.00, -54.67, 10.44
CIELCh	77, 55.658, 169.188
Yxy	51.5317, 0.2447, 0.3997
Android (android.graphics.Color)	4278572969 (0xFF05D7A9)
YUV	146.9660, 10.8628, -124.5042
Hunter-Lab	71.7856, -47.1770, 12.3835

Details

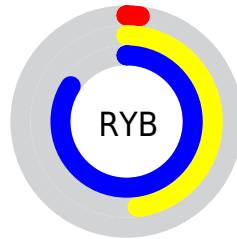
The CIELCh color **77, 55.658, 169.188** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **45, 79.778, 27.289**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 47.127, 176.469**, and **58, 47.235, 165.091** is the 20% darker color. If you saturate the color by 10%, you get **77, 56.201, 168.717**, and if you desaturate by 10%, it is **77, 53.272, 171.073**.

Distribution



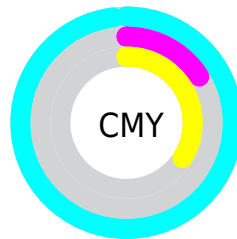
- Red (2%)
- Green (84%)
- Blue (66%)



- Red (2%)
- Yellow (48%)
- Blue (84%)



- Cyan (98%)
- Magenta (0%)
- Yellow (21%)
- Black (16%)



- Cyan (98%)
- Magenta (16%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 55.658, 169.188 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 77, 55.658, 169.188 by changing the saturation by 10% instead.

 77, 55.658,
169.188

 77, 55.658,
169.188


 100, 55.658,
169.188


 67, 55.658,
169.188

 97, 55.658,
169.188

 57, 55.658,
169.188

 47, 55.658,
169.188

 37, 55.658,
169.188

 27, 55.658,
169.188

 17, 55.658,
169.188

 7, 55.658, 169.188

■ 0, 55.658, 169.188

■ 77, 55.658,
169.188

■ 77, 55.658,
169.188

■ 77, 56.201,
168.717

■ 77, 53.272,
171.073

■ 78, 50.092,
172.788

■ 78, 46.018,
174.330

■ 79, 41.048,
175.718

■ 80, 35.244,
176.978

■ 81, 28.713,
178.132

■ 82, 21.586,
179.202

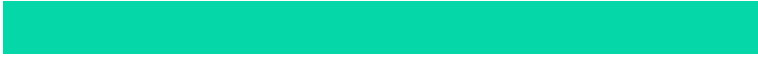
■ 83, 13.998,
180.210

■ 85, 6.084, 181.197

Harmonies

Complementary

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



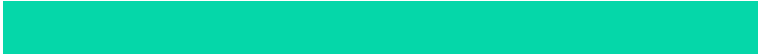
77, 55.658, 169.188



45, 79.778, 27.289

Rectangle

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



77, 55.658, 169.188



77, 55.658, 219.188



77, 55.658, 349.188



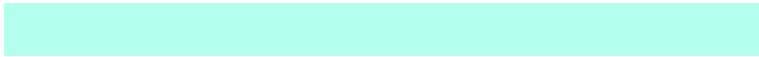
77, 55.658, 39.188

Sweetspot

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



77, 55.658, 169.187



95, 26.024, 179.018



76, 102.188, 134.222



50, 17.673, 178.561



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 55.658, 169.187



90, 64.087, 168.511



61, 40.732, 249.019



44, 4.572, 181.004



62, 47.132, 169.050



15, 17.571, 173.098

Inverse Universe

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



45, 79.778, 27.289



54, 92.695, 29.158



49, 83.178, 45.733



42, 4.736, 2.608



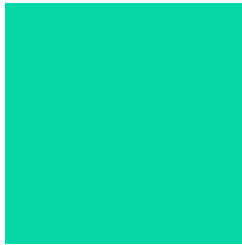
36, 67.793, 27.609



5, 22.086, 10.014

Previews

White Background



This preview shows how the CIELCh color 77, 55.658, 169.188 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 77, 55.658, 169.188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

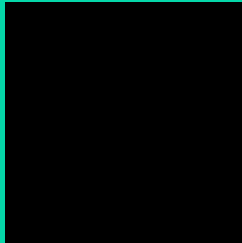
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

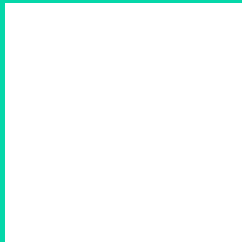
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 55.658, 169.188

Background



This preview shows how black text looks on a background with the CIELCh color 77, 55.658, 169.188.

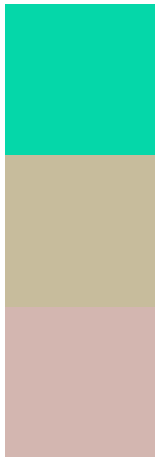


This preview shows how white text looks on a background with the CIELCh color 77, 55.658, 169.188.

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

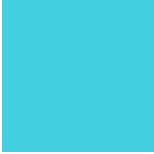
77, 55.658, 169.188

Protanopia

76, 17.659, 94.234

Deuteranopia

76, 11.672, 36.142



Tritanopia
77, 37.139, 210.495

Trichromacy



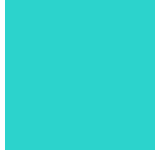
Original Color
77, 55.658, 169.188



Protanomaly
75, 32.011, 158.504



Deuteranomaly
74, 23.695, 168.882



Tritanomaly
77, 42.383, 191.274

Monochromacy



Original Color
77, 55.658, 169.188



Achromatopsia
61, 0.008, 296.813



Achromatomaly
65, 28.038, 177.271

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 55.658, 169.188 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, 215, 169)` looks like.

```
.text, #text, p{  
    color:rgb(5, 215, 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(5, 215, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 215, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 55.658, 169.188 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, 215, 169) }
```

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

```
.border{ border-color:rgb(5, 215, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 215, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 215, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 215, 169);  
box-shadow:4px 4px 4px 4px rgb(5, 215,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 55.658, 169.188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 215, 169) }
```

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

```
.background{ background-color: rgb(5, 215,  
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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