

Converting Colors

CIELCh(72, 81.736, 190.182)

Have a look what the booklet for
CIELCh(72, 81.736, 190.182)
contains.

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Color

CIELCh(77, 45.199, 189.316)

Conversions

Conversions Part 1

Format	Color
Hex	07D4CA
RGB	7, 212, 202
RGB Percent	3%, 83%, 79%
CMY	0.9717, 0.1676, 0.2070
CMYK	0.97, 0.00, 0.05, 0.17
HSL	177°, 93%, 43%
HSV	177°, 97%, 83%
XYZ	34.3817, 51.5317, 64.1462
YIQ	149.5650, -118.9700, -46.5700

Conversions

Conversions Part 2

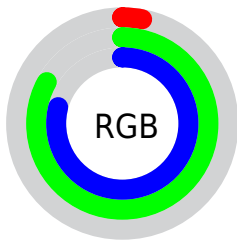
Format	Color
RYB	7, 112, 212
Decimal	513226
CIELab	77.00, -44.60, -7.32
CIElCh	77, 45.199, 189.316
Yxy	51.5317, 0.2291, 0.3434
Android (android.graphics.Color)	4278703306 (0xFF07D4CA)
YUV	149.5650, 25.8505, -125.0295
Hunter-Lab	71.7856, -40.1324, -2.7304

Details

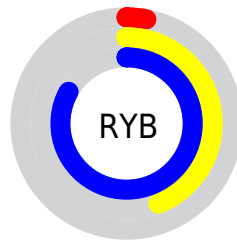
The CIELCh color **77, 45.199, 189.316** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **45, 87.257, 37.455**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.542, 196.941**, and **58, 36.217, 188.918** is the 20% darker color. If you saturate the color by 10%, you get **77, 45.467, 189.093**, and if you desaturate by 10%, it is **77, 44.128, 189.960**.

Distribution



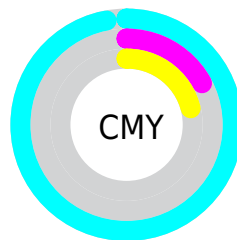
- Red (3%)
- Green (83%)
- Blue (79%)



- Red (3%)
- Yellow (44%)
- Blue (83%)



- Cyan (97%)
- Magenta (0%)
- Yellow (5%)
- Black (17%)





- Cyan (97%)
- Magenta (17%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 45.199, 189.316 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, 45.199, 189.316 by changing the saturation by 10% instead.


 77, 45.199,
189.316


 77, 45.199,
189.316


 100, 45.199,
189.316


 67, 45.199,
189.316


 97, 45.199,
189.316

 57, 45.199,
189.316

 47, 45.199,
189.316

 37, 45.199,
189.316

 27, 45.199,
189.316

 17, 45.199,
189.316

 7, 45.199, 189.316

■ 0, 45.199, 189.316

■ 77, 45.199,
189.316

■ 77, 45.199,
189.316

■ 77, 45.467,
189.093

■ 77, 44.128,
189.960

■ 77, 42.222,
190.575

■ 78, 39.383,
191.175

■ 78, 35.595,
191.772

■ 79, 30.897,
192.374

■ 80, 25.373,
192.990

■ 81, 19.133,
193.625

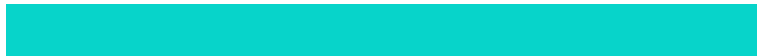
■ 83, 12.302,
194.286

■ 84, 5.007, 195.012

Harmonies

Complementary

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



77, 45.199, 189.316



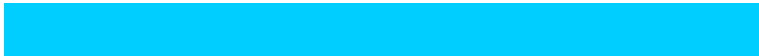
45, 87.257, 37.455

Rectangle

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



77, 45.199, 189.316



77, 45.199, 239.316



77, 45.199, 9.316



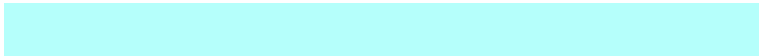
77, 45.199, 59.316

Sweetspot

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



77, 45.199, 189.315



95, 23.988, 193.451



74, 103.253, 135.933



50, 16.201, 193.178



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, 45.199, 189.315



91, 52.244, 189.020



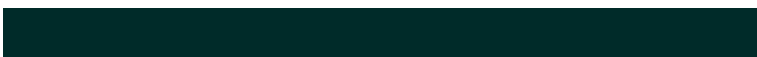
50, 55.449, 277.606



44, 4.314, 194.790



63, 38.654, 189.197



15, 15.035, 190.465

Inverse Universe

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



45, 87.257, 37.455



53, 102.707, 38.668



55, 74.275, 57.081



42, 4.553, 15.969



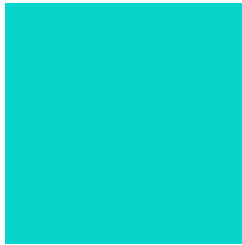
35, 75.310, 37.883



5, 21.969, 17.585

Previews

White Background



This preview shows how the CIELCh color 77, 45.199, 189.316 looks on a white background.

Color Contrast Check

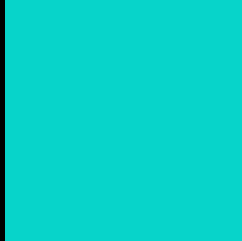
Large Text (above 18pt) WCAG AA × Fail

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 77, 45.199, 189.316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

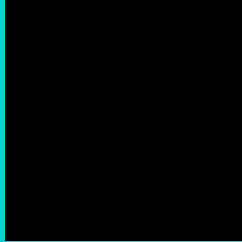
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

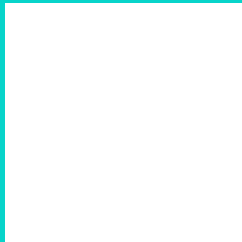
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 45.199, 189.316

Background



This preview shows how black text looks on a background with the CIELCh color 77, 45.199, 189.316.

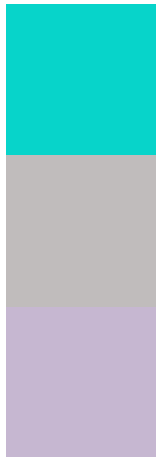


This preview shows how white text looks on a background with the CIELCh color 77, 45.199, 189.316.

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, 45.160, 189.330

Protanopia

77, 1.485, 19.170

Deuteranopia

76, 15.065, 312.231



Tritanopia
77, 39.330, 210.417

Trichromacy



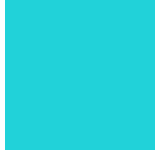
Original Color
77, 45.160, 189.330



Protanomaly
75, 23.930, 192.386



Deuteranomaly
75, 21.728, 216.983



Tritanomaly
77, 41.130, 201.898

Monochromacy



Original Color
77, 45.160, 189.330



Achromatopsia
62, 0.008, 296.813



Achromatomaly
66, 24.831, 192.186

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 45.199, 189.316 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(7, 212, 202)` looks like.

```
.text, #text, p{  
    color:rgb(7, 212, 202)  
}
```

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(7, 212, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 212, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 45.199, 189.316 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(7, 212, 202) }
```

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

```
.border{ border-color:rgb(7, 212, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 212, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 212, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 212, 202);  
box-shadow:4px 4px 4px 4px rgb(7, 212,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 45.199, 189.316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 212, 202) }
```

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

```
.background{ background-color: rgb(7, 212,  
202) }
```

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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