

Converting Colors

CIELCh(77, 57.821, 166.430)

Have a look what the booklet for
CIELCh(77, 57.821, 166.430)
contains.

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Color

CIELCh(77, 57.657, 166.506)

Conversions

Conversions Part 1

Format	Color
Hex	09D7A3
RGB	9, 215, 163
RGB Percent	4%, 84%, 64%
CMY	0.9636, 0.1552, 0.3592
CMYK	0.96, 0.00, 0.24, 0.16
HSL	165°, 92%, 44%
HSV	165°, 96%, 84%
XYZ	31.1686, 51.5317, 43.1375
YIQ	147.4780, -106.0840, -59.8440

Conversions

Conversions Part 2

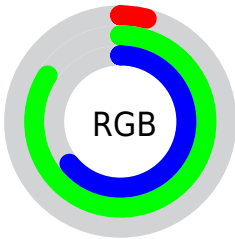
Format	Color
RYB	9, 127, 215
Decimal	645027
CIELab	77.00, -56.07, 13.45
CIELCh	77, 57.657, 166.506
Yxy	51.5317, 0.2477, 0.4095
Android (android.graphics.Color)	4278835107 (0xFF09D7A3)
YUV	147.4780, 7.6523, -121.4452
Hunter-Lab	71.7856, -48.1218, 14.6213

Details

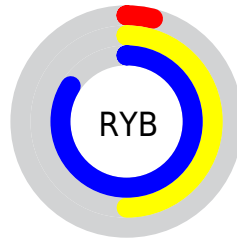
The CIELCh color **77, 57.657, 166.506** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **46, 77.487, 23.581**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 48.610, 173.099**, and **58, 49.529, 161.977** is the 20% darker color. If you saturate the color by 10%, you get **77, 58.733, 165.635**, and if you desaturate by 10%, it is **77, 54.834, 168.482**.

Distribution



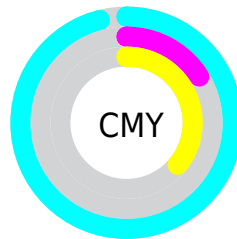
- Red (4%)
- Green (84%)
- Blue (64%)



- Red (4%)
- Yellow (50%)
- Blue (84%)



- Cyan (96%)
- Magenta (0%)
- Yellow (24%)
- Black (16%)



- Cyan (96%)
- Magenta (16%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 57.657, 166.506 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, 57.657, 166.506 by changing the saturation by 10% instead.

 77, 57.657,
166.506

 77, 57.657,
166.506

 100, 57.657,
166.506

 67, 57.657,
166.506

 97, 57.657,
166.506

 57, 57.657,
166.506

 47, 57.657,
166.506

 37, 57.657,
166.506

 27, 57.657,
166.506

 17, 57.657,
166.506

 7, 57.657, 166.506

■ 0, 57.657, 166.506

■ 77, 57.657,
166.506

■ 77, 57.657,
166.506

■ 77, 58.733,
165.635

■ 77, 54.834,
168.482

■ 78, 51.185,
170.270

■ 78, 46.644,
171.873

■ 79, 41.227,
173.313

■ 80, 35.012,
174.614

■ 81, 28.115,
175.800

■ 82, 20.672,
176.894

■ 84, 12.821,
177.920

■ 85, 4.694, 178.937

Harmonies

Complementary

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



77, 57.657, 166.506



46, 77.487, 23.581

Rectangle

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



77, 57.657, 166.506



77, 57.657, 216.506



77, 57.657, 346.506



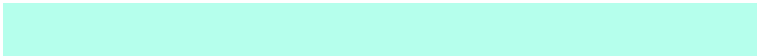
77, 57.657, 36.506

Sweetspot

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



77, 57.657, 166.505



95, 26.577, 176.510



76, 101.038, 133.590



50, 18.067, 176.037



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, 57.657, 166.505



90, 66.916, 165.419



64, 39.140, 241.379



44, 4.650, 178.546



62, 49.160, 165.991



15, 18.181, 170.323

Inverse Universe

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



46, 77.487, 23.581



54, 90.743, 26.499



49, 83.422, 44.431



42, 4.800, 0.176



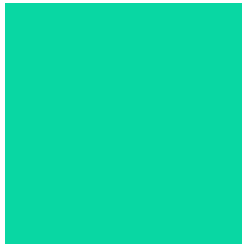
36, 66.461, 24.909



5, 22.150, 8.542

Previews

White Background



This preview shows how the CIELCh color 77, 57.657, 166.506 looks on a white background.

Color Contrast Check

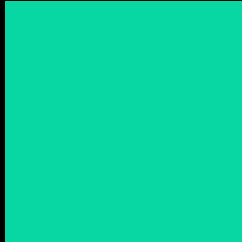
Large Text (above 18pt) WCAG AA × Fail

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, 57.657, 166.506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

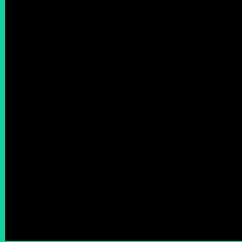
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 57.657, 166.506

Background



This preview shows how black text looks on a background with the CIELCh color 77, 57.657, 166.506.

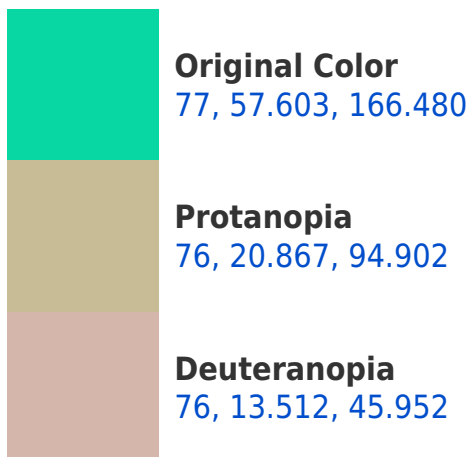



This preview shows how white text looks on a background with the CIELCh color 77, 57.657, 166.506.

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
77, 36.569, 211.645

Trichromacy



Original Color
77, 57.603, 166.480



Protanomaly
75, 33.831, 153.821



Deuteranomaly
74, 24.498, 162.516

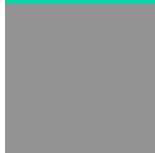


Tritanomaly
77, 42.113, 190.499

Monochromacy



Original Color
77, 57.603, 166.480



Achromatopsia
61, 0.008, 296.813



Achromatomaly
66, 28.064, 174.908

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 57.657, 166.506 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(9, 215, 163)` looks like.

```
.text, #text, p{  
    color:rgb(9, 215, 163)  
}
```

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(9, 215, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 215, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 57.657, 166.506 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(9, 215, 163) }
```

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

```
.border{ border-color:rgb(9, 215, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 215, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 215, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 215, 163);  
box-shadow:4px 4px 4px 4px rgb(9, 215,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 57.657, 166.506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 215, 163) }
```

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

```
.background{ background-color: rgb(9, 215,  
163) }
```

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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