

Converting Colors

CIELCh(76, 48.402, 179.963)

Have a look what the booklet for
CIELCh(76, 48.402, 179.963)
contains.

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Color

CIELCh(76, 48.187, 180.302)

Conversions

Conversions Part 1

Format	Color
Hex	09D2BA
RGB	9, 210, 186
RGB Percent	4%, 82%, 73%
CMY	0.9647, 0.1751, 0.2692
CMYK	0.96, 0.00, 0.11, 0.18
HSL	173°, 92%, 43%
HSV	173°, 96%, 82%
XYZ	32.1465, 49.8872, 54.5801
YIQ	147.1650, -112.0920, -50.0760

Conversions

Conversions Part 2

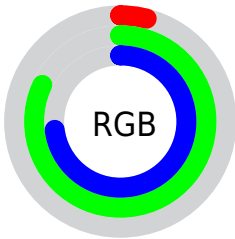
Format	Color
R_{YB}	9, 116, 210
Decimal	643770
CIE Lab	76.00, -48.19, -0.25
CIE LCh	76, 48.187, 180.302
Yxy	49.8872, 0.2353, 0.3652
Android (android.graphics.Color)	4278833850 (0xFF09D2BA)
YUV	147.1650, 19.1457, -121.1707
Hunter-Lab	70.6309, -42.3628, 3.6252

Details

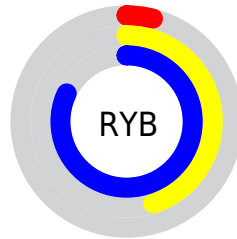
The CIELCh color **76, 48.187, 180.302** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed spring green. A complement of this color would be **44, 82.555, 33.419**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 42.841, 187.647**, and **57, 39.321, 178.030** is the 20% darker color. If you saturate the color by 10%, you get **76, 48.733, 179.733**, and if you desaturate by 10%, it is **76, 46.579, 181.591**.

Distribution



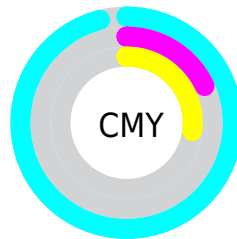
- Red (4%)
- Green (82%)
- Blue (73%)



- Red (4%)
- Yellow (45%)
- Blue (82%)



- Cyan (96%)
- Magenta (0%)
- Yellow (11%)
- Black (18%)





- Cyan (96%)
- Magenta (18%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 48.187, 180.302 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, 48.187, 180.302 by changing the saturation by 10% instead.


 76, 48.187,
180.302


 76, 48.187,
180.302


 100, 48.187,
180.302


 66, 48.187,
180.302


 96, 48.187,
180.302

 56, 48.187,
180.302

 46, 48.187,
180.302

 36, 48.187,
180.302

 26, 48.187,
180.302

 16, 48.187,
180.302

 6, 48.187, 180.302

■ 0, 48.187, 180.302

■ 76, 48.187,
180.302

■ 76, 48.187,
180.302

■ 76, 48.733,
179.733

■ 76, 46.579,
181.591

■ 77, 44.130,
182.767

■ 77, 40.766,
183.842

■ 78, 36.485,
184.838

■ 78, 31.344,
185.773

■ 79, 25.440,
186.664

■ 81, 18.892,
187.525

■ 82, 11.831,
188.371

■ 83, 4.383, 189.259

Harmonies

Complementary

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



76, 48.187, 180.302



44, 82.555, 33.419

Rectangle

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



76, 48.187, 180.302



76, 48.187, 230.302



76, 48.187, 0.302



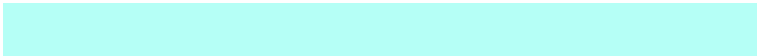
76, 48.187, 50.302

Sweetspot

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



76, 48.187, 180.301



95, 24.649, 187.218



74, 101.497, 135.341



50, 16.686, 186.846



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, 48.187, 180.301



90, 56.434, 179.570



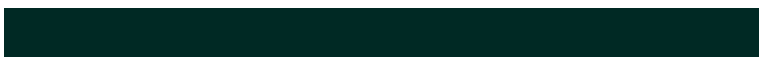
55, 46.434, 265.830



43, 4.304, 188.913



62, 41.188, 179.959



14, 15.343, 182.849

Inverse Universe

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



44, 82.555, 33.419



53, 99.059, 35.751



52, 76.387, 51.429



41, 4.507, 10.328



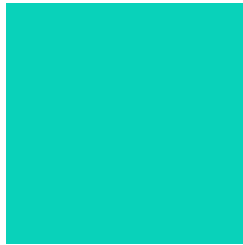
35, 71.514, 34.460



4, 20.077, 13.917

Previews

White Background



This preview shows how the CIELCh color 76, 48.187, 180.302 looks on a white background.

Color Contrast Check

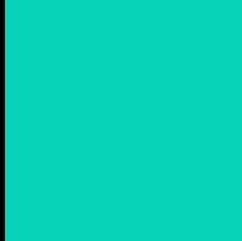
Large Text (above 18pt) WCAG AA × Fail

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, 48.187, 180.302 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

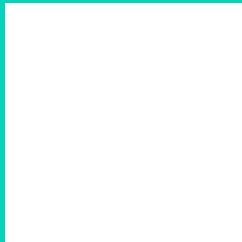
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 48.187, 180.302

Background



This preview shows how black text looks on a background with the CIELCh color 76, 48.187, 180.302.

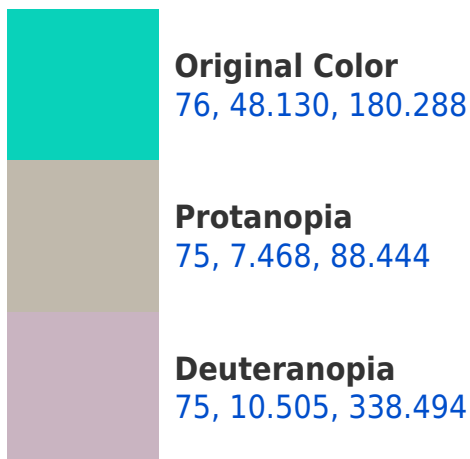


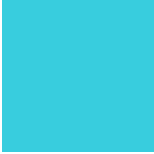
This preview shows how white text looks on a background with the CIELCh color 76, 48.187, 180.302.

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, 37.774, 211.106

Trichromacy



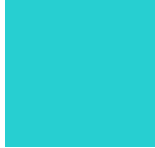
Original Color
76, 48.130, 180.288



Protanomaly
74, 25.650, 176.295

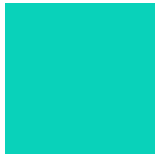


Deuteranomaly
73, 20.143, 197.874



Tritanomaly
76, 40.749, 198.073

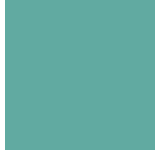
Monochromacy



Original Color
76, 48.130, 180.288



Achromatopsia
61, 0.008, 296.813



Achromatomaly
65, 25.157, 185.721

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 48.187, 180.302 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, 210, 186)` looks like.

```
.text, #text, p{  
    color:rgb(9, 210, 186)  
}
```

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, 210, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 210, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 48.187, 180.302 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, 210, 186) }
```

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

```
.border{ border-color:rgb(9, 210, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 210, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 210, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 210, 186);  
box-shadow:4px 4px 4px 4px rgb(9, 210,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 48.187, 180.302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 210, 186) }
```

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

```
.background{ background-color: rgb(9, 210,  
186) }
```

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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