

Converting Colors

CIELCh(75, 50.290, 180.682)

Have a look what the booklet for
CIELCh(75, 50.290, 180.682)
contains.

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Color

CIELCh(75, 48.097, 180.225)

Conversions

Conversions Part 1

Format	Color
Hex	00CFB7
RGB	0, 207, 183
RGB Percent	0%, 81%, 72%
CMY	1.0000, 0.1864, 0.2804
CMYK	1.00, 0.00, 0.12, 0.19
HSL	173°, 100%, 41%
HSV	173°, 100%, 81%
XYZ	30.9922, 48.2781, 52.7567
YIQ	142.3710, -115.6680, -51.3480

Conversions

Conversions Part 2

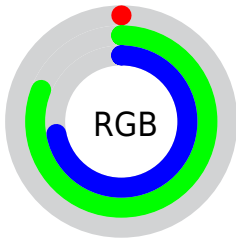
Format	Color
RYB	0, 110, 207
Decimal	53175
CIELab	75.00, -48.10, -0.19
CIELCh	75, 48.097, 180.225
Yxy	48.2781, 0.2347, 0.3657
Android (android.graphics.Color)	4278243255 (0xFF00CFB7)
YUV	142.3710, 20.0301, -124.8594
Hunter-Lab	69.4824, -41.9756, 3.6199

Details

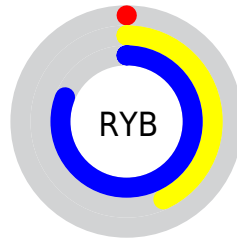
The CIELCh color **75, 48.097, 180.225** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **43, 84.441, 35.389**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 43.777, 185.704**, and **56, 39.329, 177.081** is the 20% darker color. If you saturate the color by 10%, you get **75, 48.017, 180.203**, and if you desaturate by 10%, it is **75, 46.682, 181.492**.

Distribution



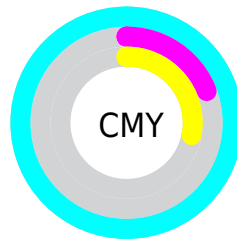
- Red (0%)
- Green (81%)
- Blue (72%)



- Red (0%)
- Yellow (43%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (19%)





- Cyan (100%)
- Magenta (19%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 48.097, 180.225 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 75, 48.097, 180.225 by changing the saturation by 10% instead.


 75, 48.097,
180.225


 75, 48.097,
180.225


 100, 48.097,
180.225


 65, 48.097,
180.225


 95, 48.097,
180.225

 55, 48.097,
180.225

 45, 48.097,
180.225

 35, 48.097,
180.225

 25, 48.097,
180.225

 15, 48.097,
180.225

 5, 48.097, 180.225

■ 0, 48.097, 180.225

■ 75, 48.097,
180.225

■ 75, 48.097,
180.225

■ 75, 48.017,
180.203

■ 75, 46.682,
181.492

■ 75, 44.653,
182.687

■ 76, 41.739,
183.778

■ 76, 37.911,
184.785

■ 77, 33.201,
185.727

■ 78, 27.691,
186.621

■ 79, 21.491,
187.481

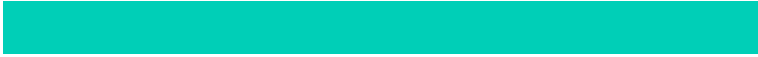
■ 80, 14.725,
188.321

■ 82, 7.521, 189.166

Harmonies

Complementary

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



75, 48.097, 180.225



43, 84.441, 35.389

Rectangle

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



75, 48.097, 180.225



75, 48.097, 230.225



75, 48.097, 0.225



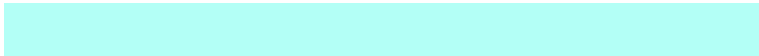
75, 48.097, 50.225

Sweetspot

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



75, 48.017, 180.203



95, 25.378, 187.451



73, 101.792, 135.489



50, 17.077, 187.087



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 48.017, 180.203



90, 56.185, 180.032



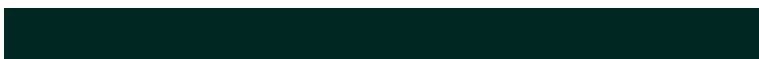
52, 49.070, 270.413



43, 4.299, 189.217



62, 41.012, 180.412



14, 15.292, 183.233

Inverse Universe

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



43, 84.441, 35.389



53, 99.283, 35.944



51, 77.517, 51.758



41, 4.503, 10.621



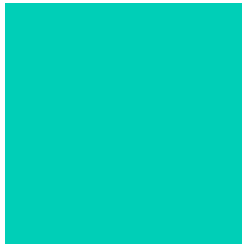
35, 71.682, 34.672



4, 20.073, 14.088

Previews

White Background



This preview shows how the CIELCh color 75, 48.097, 180.225 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 75, 48.097, 180.225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

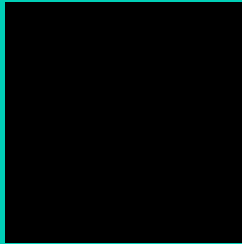
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

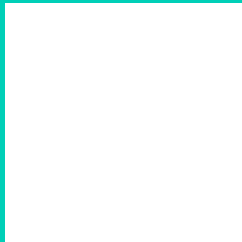
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 48.097, 180.225

Background



This preview shows how black text looks on a background with the CIELCh color 75, 48.097, 180.225.

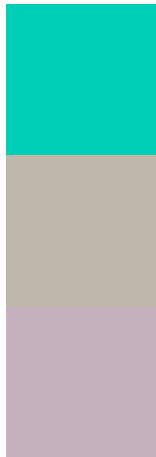


This preview shows how white text looks on a background with the CIELCh color 75, 48.097, 180.225.

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

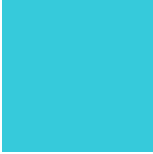
75, 47.953, 180.160

Protanopia

75, 7.483, 88.431

Deuteranopia

75, 9.896, 339.357



Tritanopia
75, 37.469, 211.261

Trichromacy



Original Color
75, 47.953, 180.160



Protanomaly
73, 26.226, 176.667

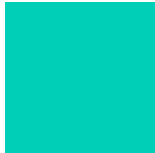


Deuteranomaly
73, 21.111, 196.294



Tritanomaly
75, 40.628, 198.060

Monochromacy



Original Color
75, 47.953, 180.160



Achromatopsia
59, 0.008, 296.813



Achromatomaly
63, 25.499, 187.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 48.097, 180.225 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(0, 207, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 183)  
}
```

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(0, 207, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 48.097, 180.225 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(0, 207, 183) }
```

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

```
.border{ border-color:rgb(0, 207, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 207, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 207,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 48.097, 180.225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 183) }
```

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

```
.background{ background-color: rgb(0, 207,  
183) }
```

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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