

Converting Colors

CIELCh(75, 44.702, 188.585)

Have a look what the booklet for
CIELCh(75, 44.702, 188.585)
contains.

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Color

CIELCh(75, 44.439, 189.162)

Conversions

Conversions Part 1

Format	Color
Hex	02CEC4
RGB	2, 206, 196
RGB Percent	1%, 81%, 77%
CMY	0.9940, 0.1911, 0.2303
CMYK	0.99, 0.00, 0.05, 0.19
HSL	177°, 99%, 41%
HSV	177°, 99%, 81%
XYZ	32.1476, 48.2781, 60.0043
YIQ	143.8640, -118.3740, -46.3580

Conversions

Conversions Part 2

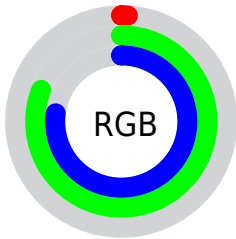
Format	Color
R_{YB}	2, 107, 206
Decimal	184004
CIE _{Lab}	75.00, -43.87, -7.08
CIE _{LCh}	75, 44.439, 189.162
Yxy	48.2781, 0.2289, 0.3438
Android (android.graphics.Color)	4278374084 (0xFF02CEC4)
YUV	143.8640, 25.7030, -124.4147
Hunter-Lab	69.4824, -39.0074, -2.5645

Details

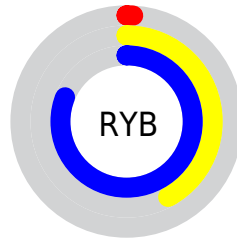
The CIELCh color **75, 44.439, 189.162** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **43, 86.751, 38.135**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 41.304, 195.436**, and **56, 35.640, 187.789** is the 20% darker color. If you saturate the color by 10%, you get **75, 44.497, 189.113**, and if you desaturate by 10%, it is **75, 43.524, 189.808**.

Distribution



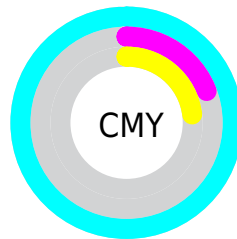
- Red (1%)
- Green (81%)
- Blue (77%)



- Red (1%)
- Yellow (42%)
- Blue (81%)



- Cyan (99%)
- Magenta (0%)
- Yellow (5%)
- Black (19%)





- Cyan (99%)
- Magenta (19%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 44.439, 189.162 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, 44.439, 189.162 by changing the saturation by 10% instead.

 75, 44.439,
189.162


 75, 44.439,
189.162


 100, 44.439,
189.162


 65, 44.439,
189.162


 95, 44.439,
189.162

 55, 44.439,
189.162

 45, 44.439,
189.162

 35, 44.439,
189.162

 25, 44.439,
189.162

 15, 44.439,
189.162

 5, 44.439, 189.162

■ 0, 44.439, 189.162

■ 75, 44.439,
189.162

■ 75, 44.439,
189.162

■ 75, 44.497,
189.113

■ 75, 43.524,
189.808

■ 75, 41.880,
190.429

■ 76, 39.341,
191.030

■ 76, 35.876,
191.624

■ 77, 31.508,
192.223

■ 78, 26.310,
192.834

■ 79, 20.384,
193.462

■ 80, 13.850,
194.113

■ 81, 6.830, 194.808

Harmonies

Complementary

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



75, 44.439, 189.162



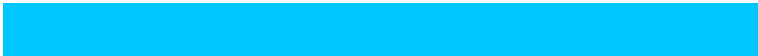
43, 86.751, 38.135

Rectangle

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



75, 44.439, 189.162



75, 44.439, 239.162



75, 44.439, 9.162



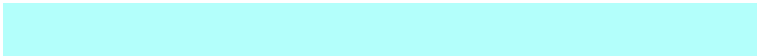
75, 44.439, 59.162

Sweetspot

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



75, 44.439, 189.161



95, 24.725, 193.392



72, 101.660, 135.861



50, 16.601, 193.122



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, 44.439, 189.161



91, 52.241, 189.027



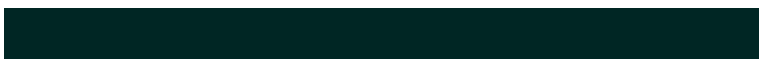
48, 55.595, 278.759



42, 4.144, 194.799



61, 37.792, 189.220



13, 13.939, 190.652

Inverse Universe

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



43, 86.751, 38.135



53, 102.709, 38.670



53, 74.058, 56.515



40, 4.373, 15.968



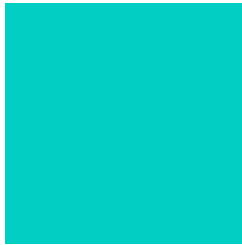
34, 73.576, 37.811



4, 17.936, 16.996

Previews

White Background



This preview shows how the CIELCh color 75, 44.439, 189.162 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, 44.439, 189.162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

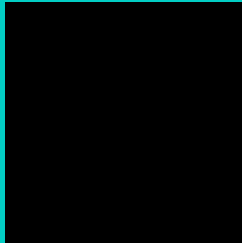
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

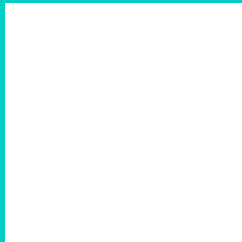
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 44.439, 189.162

Background



This preview shows how black text looks on a background with the CIELCh color 75, 44.439, 189.162.

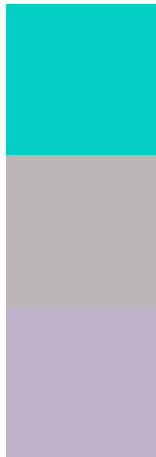


This preview shows how white text looks on a background with the CIELCh color 75, 44.439, 189.162.

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, 44.382, 189.157

Protanopia

74, 1.869, 19.284

Deuteranopia

74, 14.005, 312.418



Tritanopia
75, 38.434, 209.974

Trichromacy



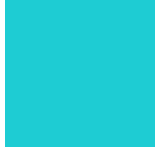
Original Color
75, 44.382, 189.157



Protanomaly
73, 23.689, 192.277



Deuteranomaly
72, 21.655, 215.597



Tritanomaly
75, 40.340, 202.027

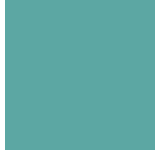
Monochromacy



Original Color
75, 44.382, 189.157



Achromatopsia
60, 0.008, 296.813



Achromatomaly
64, 24.832, 192.096

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 44.439, 189.162 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(2, 206, 196)` looks like.

```
.text, #text, p{  
    color:rgb(2, 206, 196)  
}
```

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(2, 206, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 206, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 44.439, 189.162 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(2, 206, 196) }
```

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

```
.border{ border-color:rgb(2, 206, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 206, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 206, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 206, 196);  
box-shadow:4px 4px 4px 4px rgb(2, 206,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 44.439, 189.162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 206, 196) }
```

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

```
.background{ background-color: rgb(2, 206,  
196) }
```

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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