

Converting Colors

CIELCh(74, 49.981, 200.088)

Have a look what the booklet for
CIELCh(74, 49.981, 200.088)
contains.

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Color

CIELCh(75, 41.645, 201.776)

Conversions

Conversions Part 1

Format	Color
Hex	00CDD4
RGB	0, 205, 212
RGB Percent	0%, 80%, 83%
CMY	1.0000, 0.1970, 0.1696
CMYK	1.00, 0.03, 0.00, 0.17
HSL	182°, 100%, 42%
HSV	182°, 100%, 83%
XYZ	33.6084, 48.2781, 69.6744
YIQ	144.5030, -124.4270, -41.2830

Conversions

Conversions Part 2

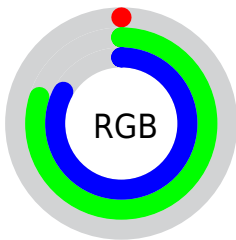
Format	Color
RYB	0, 104, 212
Decimal	52692
CIELab	75.00, -38.67, -15.45
CIELCh	75, 41.645, 201.776
Yxy	48.2781, 0.2217, 0.3185
Android (android.graphics.Color)	4278242772 (0xFF00CDD4)
YUV	144.5030, 33.2760, -126.7291
Hunter-Lab	69.4824, -35.2545, -10.8161

Details

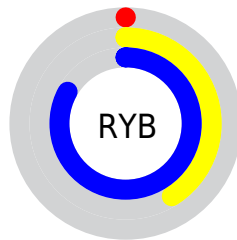
The CIELCh color **75, 41.645, 201.776** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **44, 90.464, 40.293**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.719, 196.930**, and **56, 32.872, 203.628** is the 20% darker color. If you saturate the color by 10%, you get **75, 41.607, 201.782**, and if you desaturate by 10%, it is **75, 41.119, 201.338**.

Distribution



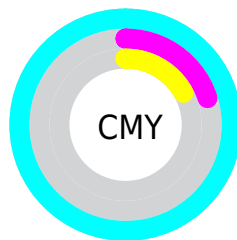
- Red (0%)
- Green (80%)
- Blue (83%)



- Red (0%)
- Yellow (41%)
- Blue (83%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (17%)





- Cyan (100%)
- Magenta (20%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 41.645, 201.776 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, 41.645, 201.776 by changing the saturation by 10% instead.


 75, 41.645,
201.776


 75, 41.645,
201.776


 100, 41.645,
201.776


 65, 41.645,
201.776


 95, 41.645,
201.776

 55, 41.645,
201.776

 45, 41.645,
201.776

 35, 41.645,
201.776

 25, 41.645,
201.776

 15, 41.645,
201.776

 5, 41.645, 201.776

■ 0, 41.645, 201.776

■ 75, 41.645,
201.776

■ 75, 41.645,
201.776

■ 75, 41.607,
201.782

■ 75, 41.119,
201.338

■ 76, 39.919,
201.007

■ 76, 37.816,
200.807

■ 77, 34.764,
200.732

■ 78, 30.782,
200.773

■ 79, 25.932,
200.920

■ 80, 20.312,
201.160

■ 82, 14.037,
201.486

■ 83, 7.228, 201.903

Harmonies

Complementary

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



75, 41.645, 201.776



44, 90.464, 40.293

Rectangle

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



75, 41.645, 201.776



75, 41.645, 251.776



75, 41.645, 21.776



75, 41.645, 71.776

Sweetspot

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



75, 41.607, 201.782



95, 23.588, 201.151



74, 103.822, 136.130



50, 15.811, 201.039



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, 41.607, 201.782



89, 47.847, 201.843



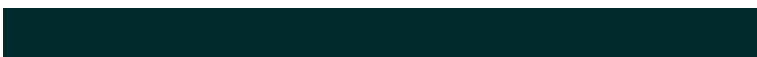
45, 65.496, 286.097



44, 4.147, 201.931



62, 35.481, 201.699



15, 14.024, 200.689

Inverse Universe

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



50, 97.861, 329.603



60, 112.555, 329.618



57, 73.732, 61.613



42, 7.673, 325.836



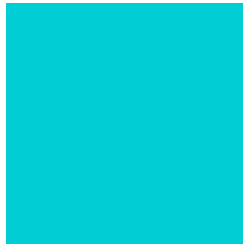
40, 83.430, 329.582



6, 32.174, 329.134

Previews

White Background



This preview shows how the CIELCh color 75, 41.645, 201.776 looks on a white background.

Color Contrast Check

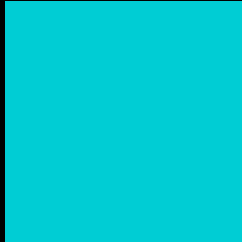
Large Text (above 18pt) WCAG AA × Fail

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, 41.645, 201.776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

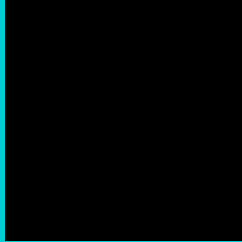
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 41.645, 201.776

Background



This preview shows how black text looks on a background with the CIELCh color 75, 41.645, 201.776.

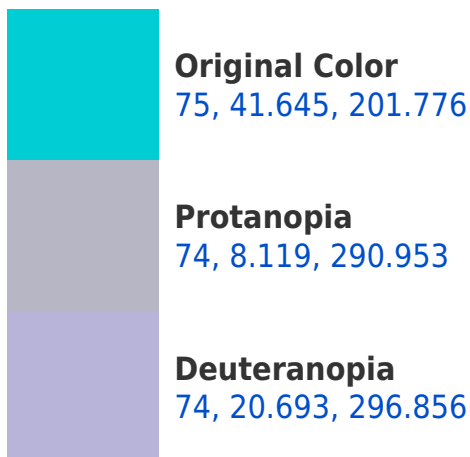


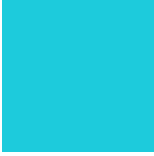
This preview shows how white text looks on a background with the CIELCh color 75, 41.645, 201.776.

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
75, 39.657, 210.312

Trichromacy



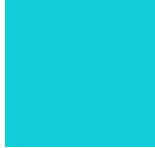
Original Color
75, 41.645, 201.776



Protanomaly
73, 23.931, 213.695



Deuteranomaly
73, 25.509, 233.496



Tritanomaly
75, 40.493, 206.754

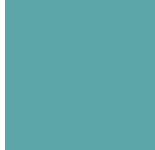
Monochromacy



Original Color
75, 41.645, 201.776



Achromatopsia
60, 0.008, 296.813



Achromatomaly
64, 23.857, 201.488

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 41.645, 201.776 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, 205, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 205, 212)  
}
```

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, 205, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 205, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 41.645, 201.776 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, 205, 212) }
```

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

```
.border{ border-color:rgb(0, 205, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 205, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 205, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 205, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 205,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 41.645, 201.776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 205, 212) }
```

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

```
.background{ background-color: rgb(0, 205,  
212) }
```

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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