

Converting Colors

CIELCh(76, 42.328, 200.364)

Have a look what the booklet for
CIELCh(76, 42.328, 200.364)
contains.

CIELCh(76, 42.326, 200.162)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(76, 42.326, 200.162)

Conversions

Conversions Part 1

Format	Color
Hex	00D0D5
RGB	0, 208, 213
RGB Percent	0%, 82%, 84%
CMY	1.0000, 0.1845, 0.1649
CMYK	1.00, 0.02, 0.00, 0.16
HSL	181°, 100%, 42%
HSV	181°, 100%, 84%
XYZ	34.5441, 49.8872, 70.7269
YIQ	146.3780, -125.5730, -42.5410

Conversions

Conversions Part 2

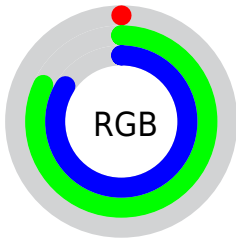
Format	Color
RYB	0, 105, 213
Decimal	53461
CIELab	76.00, -39.73, -14.59
CIELCh	76, 42.326, 200.162
Yxy	49.8872, 0.2226, 0.3215
Android (android.graphics.Color)	4278243541 (0xFF00D0D5)
YUV	146.3780, 32.8446, -128.3735
Hunter-Lab	70.6309, -36.3035, -9.9290

Details

The CIELCh color **76, 42.326, 200.162** 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 **45, 90.974, 40.207**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.719, 196.930**, and **57, 33.563, 201.428** is the 20% darker color. If you saturate the color by 10%, you get **76, 42.319, 200.162**, and if you desaturate by 10%, it is **76, 41.787, 199.868**.

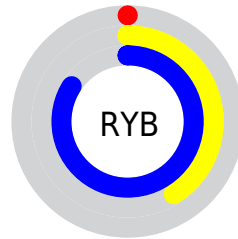
Distribution



Red (0%)

Green (82%)

Blue (84%)



Red (0%)

Yellow (41%)

Blue (84%)

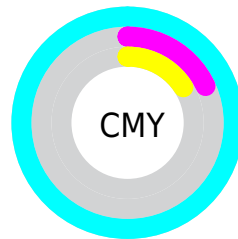


Cyan (100%)

Magenta (2%)

Yellow (0%)

Black (16%)



Cyan (100%)


Magenta (18%)


Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 42.326, 200.162 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 76, 42.326, 200.162 by changing the saturation by 10% instead.


 76, 42.326,
200.162


 76, 42.326,
200.162


 100, 42.326,
200.162


 66, 42.326,
200.162


 96, 42.326,
200.162

 56, 42.326,
200.162

 46, 42.326,
200.162

 36, 42.326,
200.162

 26, 42.326,
200.162

 16, 42.326,
200.162

 6, 42.326, 200.162

■ 0, 42.326, 200.162

■ 76, 42.326,
200.162

■ 76, 42.326,
200.162

■ 76, 42.319,
200.162

■ 76, 41.787,
199.868

■ 77, 40.542,
199.666

■ 77, 38.388,
199.572

■ 78, 35.279,
199.586

■ 79, 31.231,
199.700

■ 80, 26.307,
199.907

■ 81, 20.604,
200.199

■ 82, 14.238,
200.568

■ 84, 7.330, 201.023

Harmonies

Complementary

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



76, 42.326, 200.162



45, 90.974, 40.207

Rectangle

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



76, 42.326, 200.162



76, 42.326, 250.162



76, 42.326, 20.162



76, 42.326, 70.162

Sweetspot

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



76, 42.319, 200.162



95, 23.819, 200.189



75, 104.263, 136.130



50, 15.967, 200.056



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, 42.319, 200.162



89, 48.466, 200.202



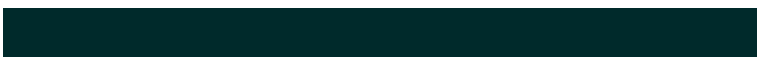
45, 65.796, 286.114



44, 4.186, 201.053



62, 35.930, 200.103



15, 14.172, 199.405

Inverse Universe

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



50, 99.022, 329.196



60, 113.422, 329.206



57, 74.049, 61.599



42, 7.724, 325.571



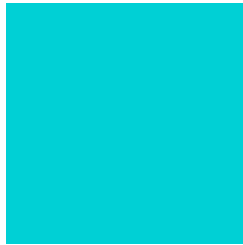
40, 84.056, 329.181



6, 32.398, 328.811

Previews

White Background



This preview shows how the CIE LCh color 76, 42.326, 200.162 looks on a white background.

Color Contrast Check

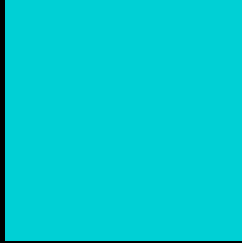
Large Text (above 18pt) WCAG AA × Fail

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 76, 42.326, 200.162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

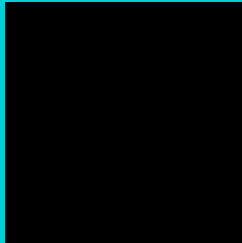
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

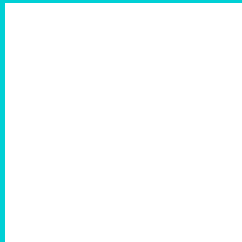
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 42.326, 200.162

Background



This preview shows how black text looks on a background with the CIELCh color 76, 42.326, 200.162.

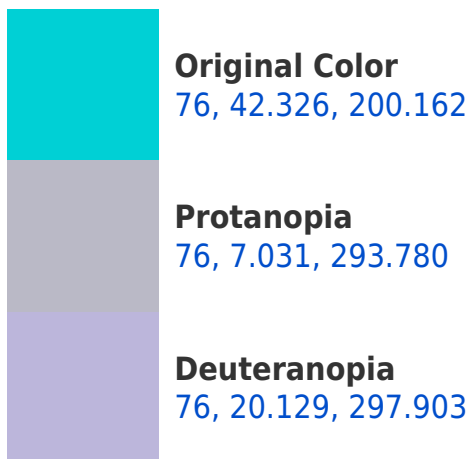


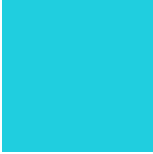
This preview shows how white text looks on a background with the CIELCh color 76, 42.326, 200.162.

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



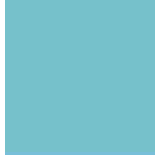


Tritanopia
76, 39.958, 210.175

Trichromacy



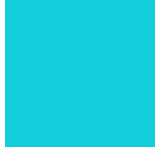
Original Color
76, 42.326, 200.162



Protanomaly
74, 24.087, 210.827



Deuteranomaly
74, 25.276, 232.235



Tritanomaly
76, 40.945, 205.824

Monochromacy



Original Color
76, 42.326, 200.162



Achromatopsia
61, 0.008, 296.813



Achromatomaly
65, 24.514, 198.689

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 42.326, 200.162 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(0, 208, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 208, 213)  
}
```

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, 208, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 208, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 42.326, 200.162 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(0, 208, 213) }
```

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

```
.border{ border-color:rgb(0, 208, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 208, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 208, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 208, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 208,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 42.326, 200.162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 208, 213) }
```

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

```
.background{ background-color: rgb(0, 208,  
213) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor