

Converting Colors

CIELCh(72, 91.081, 190.454)

Have a look what the booklet for
CIELCh(72, 91.081, 190.454)
contains.

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Color

CIELCh(77, 45.302, 190.052)

Conversions

Conversions Part 1

Format	Color
Hex	00D4CB
RGB	0, 212, 203
RGB Percent	0%, 83%, 80%
CMY	1.0000, 0.1675, 0.2027
CMYK	1.00, 0.00, 0.04, 0.17
HSL	177°, 100%, 42%
HSV	177°, 100%, 83%
XYZ	34.3806, 51.5317, 64.8261
YIQ	147.5860, -123.4630, -47.7430

Conversions

Conversions Part 2

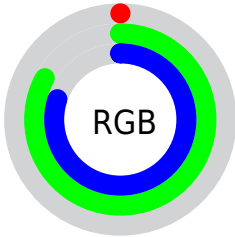
Format	Color
R _{YB}	0, 108, 212
Decimal	54475
CIE Lab	77.00, -44.61, -7.91
CIE LCh	77, 45.302, 190.052
Yxy	51.5317, 0.2281, 0.3419
Android (android.graphics.Color)	4278244555 (0xFF00D4CB)
YUV	147.5860, 27.3191, -129.4329
Hunter-Lab	71.7856, -40.1351, -3.2920

Details

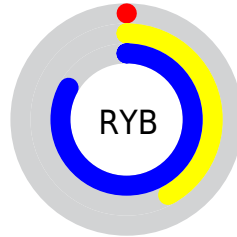
The CIELCh color **77, 45.302, 190.052** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **44, 89.329, 38.572**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.719, 196.930**, and **58, 36.002, 189.817** is the 20% darker color. If you saturate the color by 10%, you get **77, 45.191, 190.043**, and if you desaturate by 10%, it is **77, 44.339, 190.618**.

Distribution



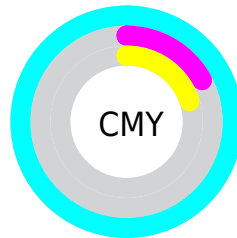
- Red (0%)
- Green (83%)
- Blue (80%)



- Red (0%)
- Yellow (42%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (17%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 45.302, 190.052 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 77, 45.302, 190.052 by changing the saturation by 10% instead.


 77, 45.302,
190.052


 77, 45.302,
190.052


 100, 45.302,
190.052


 67, 45.302,
190.052


 97, 45.302,
190.052

 57, 45.302,
190.052

 47, 45.302,
190.052

 37, 45.302,
190.052

 27, 45.302,
190.052

 17, 45.302,
190.052

 7, 45.302, 190.052

0, 45.302, 190.052

77, 45.302,
190.052

77, 45.302,
190.052

77, 45.191,
190.043

77, 44.339,
190.618

77, 42.771,
191.176

78, 40.292,
191.723

78, 36.861,
192.272

79, 32.499,
192.832

80, 27.274,
193.410

■ 81, 21.289,
194.010

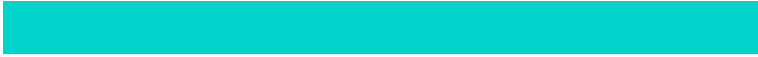
■ 82, 14.665,
194.638

■ 83, 7.527, 195.311

Harmonies

Complementary

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



77, 45.302, 190.052



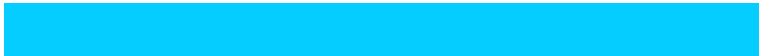
44, 89.329, 38.572

Rectangle

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



77, 45.302, 190.052



77, 45.302, 240.052



77, 45.302, 10.052



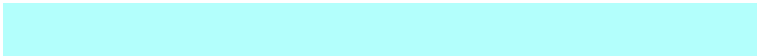
77, 45.302, 60.052

Sweetspot

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



77, 45.191, 190.043



95, 24.675, 193.991



74, 104.058, 135.842



50, 16.564, 193.732



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 45.191, 190.043



91, 51.915, 189.979



49, 57.307, 279.188



44, 4.309, 195.352



63, 38.418, 190.134



15, 14.963, 191.243

Inverse Universe

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



44, 89.329, 38.572



53, 102.963, 38.856



54, 76.132, 56.285



42, 4.551, 16.503



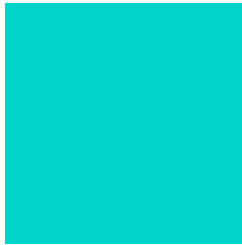
35, 75.573, 38.155



5, 21.971, 17.880

Previews

White Background



This preview shows how the CIELCh color 77, 45.302, 190.052 looks on a white background.

Color Contrast Check

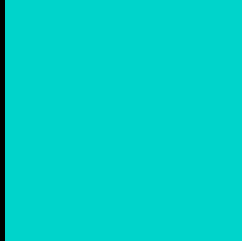
Large Text (above 18pt) WCAG AA × Fail

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 77, 45.302, 190.052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

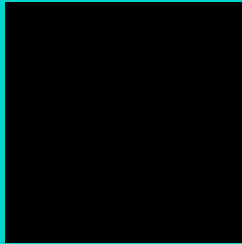
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 45.302, 190.052

Background



This preview shows how black text looks on a background with the CIELCh color 77, 45.302, 190.052.



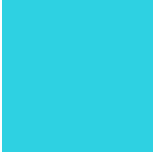
This preview shows how white text looks on a background with the CIELCh color 77, 45.302, 190.052.

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
77, 39.417, 210.381

Trichromacy



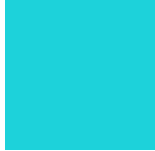
Original Color
77, 45.150, 190.025



Protanomaly
75, 24.631, 193.754



Deuteranomaly
75, 22.844, 217.413

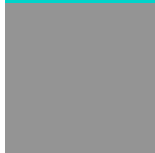


Tritanomaly
77, 41.284, 202.637

Monochromacy



Original Color
77, 45.150, 190.025



Achromatopsia
61, 0.008, 296.813



Achromatomaly
65, 25.207, 193.484

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 45.302, 190.052 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, 212, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 203)  
}
```

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, 212, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 45.302, 190.052 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, 212, 203) }
```

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

```
.border{ border-color:rgb(0, 212, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 212, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 45.302, 190.052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 212, 203) }
```

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

```
.background{ background-color: rgb(0, 212,  
203) }
```

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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