

Converting Colors

CIELCh(75, 42.370, 196.205)

Have a look what the booklet for
CIELCh(75, 42.370, 196.205)
contains.

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Color

CIELCh(75, 42.292, 196.401)

Conversions

Conversions Part 1

Format	Color
Hex	0ACDCD
RGB	10, 205, 205
RGB Percent	4%, 80%, 80%
CMY	0.9622, 0.1950, 0.1950
CMYK	0.95, 0.00, 0.00, 0.19
HSL	180°, 91%, 42%
HSV	180°, 95%, 81%
XYZ	33.0701, 48.2781, 65.5060
YIQ	146.6950, -116.2200, -41.3400

Conversions

Conversions Part 2

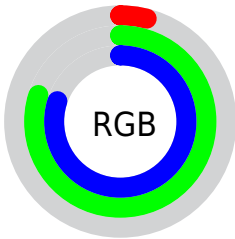
Format	Color
RYB	10, 108, 205
Decimal	708045
CIELab	75.00, -40.57, -11.94
CIELCh	75, 42.292, 196.401
Yxy	48.2781, 0.2252, 0.3287
Android (android.graphics.Color)	4278898125 (0xFF0ACDCD)
YUV	146.6950, 28.7444, -119.8815
Hunter-Lab	69.4824, -36.6374, -7.2591

Details

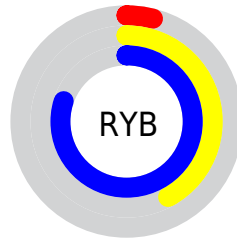
The CIELCh color **75, 42.292, 196.401** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **43, 86.258, 38.816**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.542, 196.941**, and **56, 33.582, 197.397** is the 20% darker color. If you saturate the color by 10%, you get **75, 42.558, 196.382**, and if you desaturate by 10%, it is **75, 41.370, 196.462**.

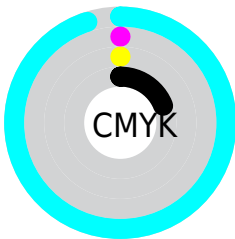
Distribution



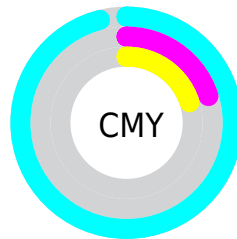
- Red (4%)
- Green (80%)
- Blue (80%)



- Red (4%)
- Yellow (42%)
- Blue (80%)



- Cyan (95%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)





- Cyan (96%)
- Magenta (20%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 42.292, 196.401 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, 42.292, 196.401 by changing the saturation by 10% instead.


 75, 42.292,
196.401


 75, 42.292,
196.401


 100, 42.292,
196.401


 65, 42.292,
196.401


 95, 42.292,
196.401

 55, 42.292,
196.401

 45, 42.292,
196.401

 35, 42.292,
196.401

 25, 42.292,
196.401

 15, 42.292,
196.401

 5, 42.292, 196.401

0, 42.292, 196.401

75, 42.292,
196.401

75, 42.292,
196.401

75, 42.558,
196.382

75, 41.370,
196.462

75, 39.622,
196.581

76, 36.965,
196.763

76, 33.380,
197.010

77, 28.902,
197.324

78, 23.607,
197.701

■ 79, 17.598,
198.139

■ 80, 10.992,
198.639

■ 82, 3.910, 199.255

Harmonies

Complementary

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



75, 42.292, 196.401



43, 86.258, 38.816

Rectangle

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



75, 42.292, 196.401



75, 42.292, 246.401



75, 42.292, 16.401



75, 42.292, 66.401

Sweetspot

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



75, 42.291, 196.400



95, 23.690, 197.954



72, 100.566, 136.116



50, 15.976, 197.768



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, 42.291, 196.400



91, 50.116, 196.382



47, 56.930, 280.630



42, 4.119, 198.974



62, 36.302, 196.382



13, 13.514, 196.383

Inverse Universe

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



43, 86.258, 38.816



53, 104.574, 39.999



55, 70.717, 60.132



40, 4.369, 19.923



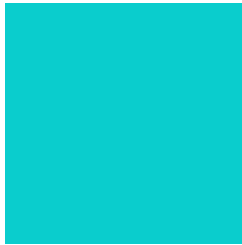
34, 75.552, 39.822



4, 17.910, 19.403

Previews

White Background



This preview shows how the CIELCh color 75, 42.292, 196.401 looks on a white background.

Color Contrast Check

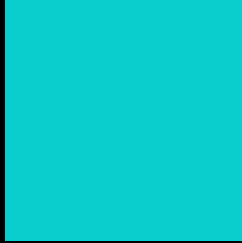
Large Text (above 18pt) WCAG AA × Fail

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, 42.292, 196.401 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, 42.292, 196.401

Background



This preview shows how black text looks on a background with the CIELCh color 75, 42.292, 196.401.

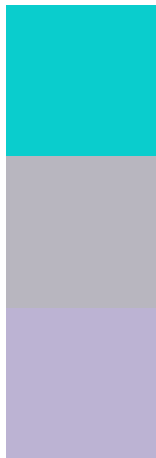


This preview shows how white text looks on a background with the CIELCh color 75, 42.292, 196.401.

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

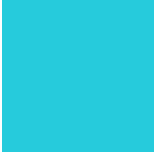
75, 42.237, 196.405

Protanopia

74, 4.939, 299.153

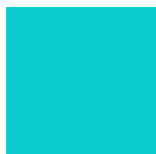
Deuteranopia

75, 17.670, 302.061

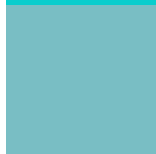


Tritanopia
75, 39.069, 210.556

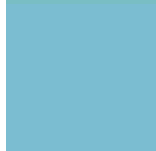
Trichromacy



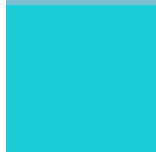
Original Color
75, 42.237, 196.405



Protanomaly
73, 22.468, 206.164

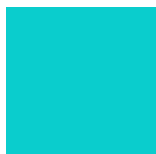


Deuteranomaly
73, 22.966, 226.490

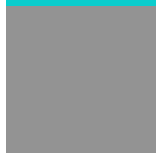


Tritanomaly
75, 40.137, 205.259

Monochromacy



Original Color
75, 42.237, 196.405



Achromatopsia
61, 0.008, 296.813



Achromatomaly
64, 23.319, 197.457

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 42.292, 196.401 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(10, 205, 205)` looks like.

```
.text, #text, p{  
    color:rgb(10, 205, 205)  
}
```

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(10, 205, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 205, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 42.292, 196.401 is called "border". The border property can be set on classes, ids or directly on the HTML element.

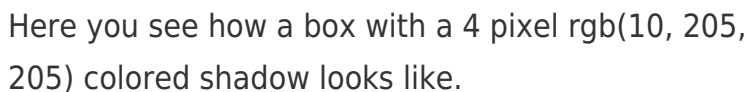
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(10, 205, 205) }
```

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

```
.border{ border-color:rgb(10, 205, 205) }
```

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



Here you see how a box with a 4 pixel `rgb(10, 205, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 205, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 205, 205);  
box-shadow:4px 4px 4px 4px rgb(10, 205,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 42.292, 196.401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 205, 205) }
```

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

```
.background{ background-color: rgb(10, 205,  
205) }
```

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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