

Converting Colors

CIELCh(76, 42.605, 196.401)

Have a look what the booklet for
CIELCh(76, 42.605, 196.401)
contains.

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Color

CIELCh(76, 42.552, 196.415)

Conversions

Conversions Part 1

Format	Color
Hex	10D0D0
RGB	16, 208, 208
RGB Percent	6%, 82%, 82%
CMY	0.9374, 0.1835, 0.1835
CMYK	0.92, 0.00, 0.00, 0.18
HSL	180°, 86%, 44%
HSV	180°, 92%, 82%
XYZ	34.2299, 49.8872, 67.6325
YIQ	150.5920, -114.4320, -40.7040

Conversions

Conversions Part 2

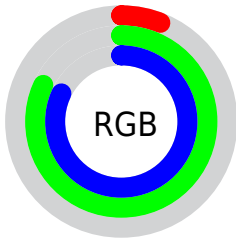
Format	Color
RYB	16, 112, 208
Decimal	1102032
CIELab	76.00, -40.82, -12.02
CIELCh	76, 42.552, 196.415
Yxy	49.8872, 0.2256, 0.3287
Android (android.graphics.Color)	4279292112 (0xFF10D0D0)
YUV	150.5920, 28.3021, -118.0372
Hunter-Lab	70.6309, -37.0976, -7.3314

Details

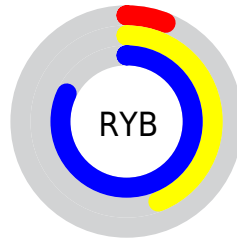
The CIELCh color **76, 42.552, 196.415** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **44, 85.561, 38.084**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.363, 196.951**, and **57, 34.076, 197.379** is the 20% darker color. If you saturate the color by 10%, you get **76, 43.012, 196.383**, and if you desaturate by 10%, it is **76, 41.390, 196.492**.

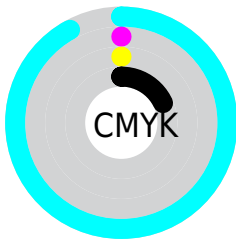
Distribution



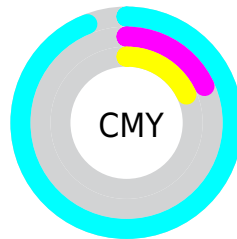
- Red (6%)
- Green (82%)
- Blue (82%)



- Red (6%)
- Yellow (44%)
- Blue (82%)



- Cyan (92%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)





- Cyan (94%)
- Magenta (18%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 42.552, 196.415 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, 42.552, 196.415 by changing the saturation by 10% instead.


 76, 42.552,
196.415


 76, 42.552,
196.415


 100, 42.552,
196.415


 66, 42.552,
196.415


 96, 42.552,
196.415

 56, 42.552,
196.415

 46, 42.552,
196.415

 36, 42.552,
196.415

 26, 42.552,
196.415

 16, 42.552,
196.415

 6, 42.552, 196.415

■ 0, 42.552, 196.415

■ 76, 42.552,
196.415

■ 76, 42.552,
196.415

■ 76, 43.012,
196.383

■ 76, 41.390,
196.492

■ 76, 39.360,
196.628

■ 77, 36.398,
196.829

■ 78, 32.501,
197.096

■ 78, 27.719,
197.429

■ 79, 22.139,
197.825

■ 80, 15.869,
198.281

■ 82, 9.032, 198.802

■ 83, 1.747, 199.600

Harmonies

Complementary

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



76, 42.552, 196.415



44, 85.561, 38.084

Rectangle

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



76, 42.552, 196.415



76, 42.552, 246.415



76, 42.552, 16.415



76, 42.552, 66.415

Sweetspot

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



76, 42.551, 196.414



96, 22.961, 198.000



73, 100.863, 136.209



50, 15.581, 197.809



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, 42.551, 196.414



91, 50.116, 196.383



48, 55.839, 279.279



43, 4.203, 198.973



62, 36.713, 196.383



14, 14.039, 196.384

Inverse Universe

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



44, 85.561, 38.084



53, 104.575, 40.000



56, 70.025, 60.899



41, 4.460, 19.925



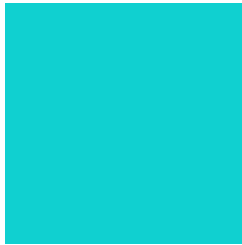
35, 76.454, 39.863



4, 20.018, 19.466

Previews

White Background



This preview shows how the CIELCh color 76, 42.552, 196.415 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, 42.552, 196.415 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

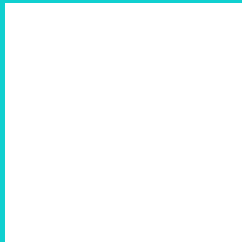
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 42.552, 196.415

Background



This preview shows how black text looks on a background with the CIELCh color 76, 42.552, 196.415.

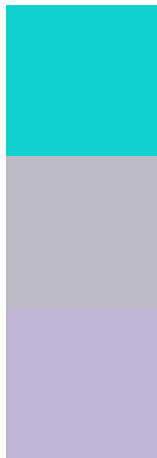


This preview shows how white text looks on a background with the CIELCh color 76, 42.552, 196.415.

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](#).

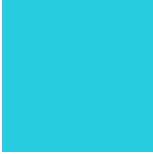
Dichromacy



Original Color
76, 42.516, 196.417

Protanopia
76, 4.924, 299.148

Deuteranopia
75, 18.165, 301.774

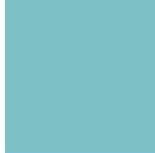


Tritanopia
76, 39.409, 210.399

Trichromacy



Original Color
76, 42.516, 196.417



Protanomaly
74, 22.189, 206.282



Deuteranomaly
74, 22.687, 228.443

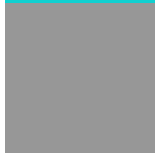


Tritanomaly
76, 40.445, 205.176

Monochromacy



Original Color
76, 42.516, 196.417



Achromatopsia
62, 0.008, 296.813



Achromatomaly
66, 23.051, 197.512

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 42.552, 196.415 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(16, 208, 208)` looks like.

```
.text, #text, p{  
    color:rgb(16, 208, 208)  
}
```

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(16, 208, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 208, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 42.552, 196.415 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(16, 208, 208) }
```

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

```
.border{ border-color:rgb(16, 208, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 208, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 208, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 208, 208);  
box-shadow:4px 4px 4px 4px rgb(16, 208,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 42.552, 196.415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 208, 208) }
```

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

```
.background{ background-color: rgb(16, 208,  
208) }
```

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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