

Converting Colors

CIELCh(76, 42.545, 195.675)

Have a look what the booklet for
CIELCh(76, 42.545, 195.675)
contains.

CIELCh(76, 42.502, 195.677)	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, 42.502, 195.677)

Conversions

Conversions Part 1

Format	Color
Hex	15D0CF
RGB	21, 208, 207
RGB Percent	8%, 82%, 81%
CMY	0.9184, 0.1835, 0.1874
CMYK	0.90, 0.00, 0.00, 0.18
HSL	180°, 82%, 45%
HSV	180°, 90%, 82%
XYZ	34.2000, 49.8872, 66.9921
YIQ	151.9730, -111.1310, -39.9550

Conversions

Conversions Part 2

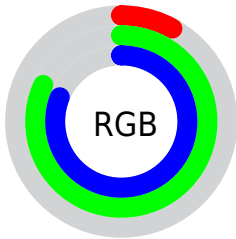
Format	Color
RYB	21, 115, 208
Decimal	1429711
CIELab	76.00, -40.92, -11.48
CIELCh	76, 42.502, 195.677
Yxy	49.8872, 0.2264, 0.3302
Android (android.graphics.Color)	4279619791 (0xFF15D0CF)
YUV	151.9730, 27.1283, -114.8633
Hunter-Lab	70.6309, -37.1730, -6.7939

Details

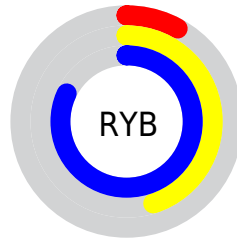
The CIELCh color **76, 42.502, 195.677** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **44, 83.785, 37.165**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.001, 196.972**, and **57, 34.226, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **76, 43.180, 195.561**, and if you desaturate by 10%, it is **76, 41.127, 195.829**.

Distribution



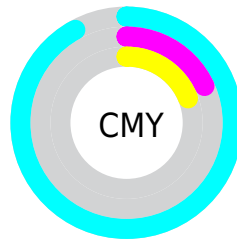
- Red (8%)
- Green (82%)
- Blue (81%)



- Red (8%)
- Yellow (45%)
- Blue (82%)



- Cyan (90%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)





- Cyan (92%)
- Magenta (18%)
- Yellow (19%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 42.502, 195.677 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, 42.502, 195.677 by changing the saturation by 10% instead.


 76, 42.502,
195.677

 76, 42.502,
195.677


 100, 42.502,
195.677

 66, 42.502,
195.677


 96, 42.502,
195.677

 56, 42.502,
195.677

 46, 42.502,
195.677

 36, 42.502,
195.677

 26, 42.502,
195.677

 16, 42.502,
195.677

 6, 42.502, 195.677

■ 0, 42.502, 195.677

■ 76, 42.502,
195.677

■ 76, 42.502,
195.677

■ 76, 43.180,
195.561

■ 76, 41.127,
195.829

■ 77, 38.861,
196.033

■ 77, 35.658,
196.293

■ 78, 31.528,
196.613

■ 79, 26.533,
196.991

■ 80, 20.766,
197.427

■ 81, 14.342,
197.918

■ 82, 7.382, 198.478

■ 84, 0.012, 255.778

Harmonies

Complementary

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



76, 42.502, 195.677



44, 83.785, 37.165

Rectangle

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



76, 42.502, 195.677



76, 42.502, 245.677



76, 42.502, 15.677



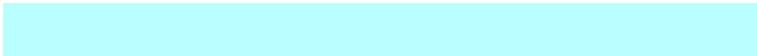
76, 42.502, 65.677

Sweetspot

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



76, 42.501, 195.676



96, 22.248, 197.554



73, 100.077, 136.307



51, 14.796, 197.392



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, 42.501, 195.676



91, 50.313, 195.551



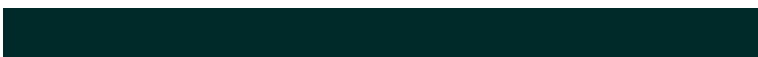
49, 54.488, 278.203



43, 4.205, 198.515



62, 36.853, 195.573



14, 14.082, 195.730

Inverse Universe

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



44, 83.785, 37.165



53, 104.360, 39.851



57, 68.713, 61.456



41, 4.459, 19.493



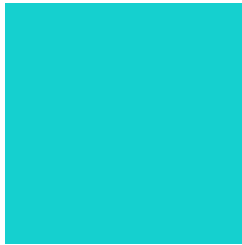
35, 76.230, 39.648



4, 20.017, 19.217

Previews

White Background



This preview shows how the CIE LCh color 76, 42.502, 195.677 looks on a white background.

Color Contrast Check

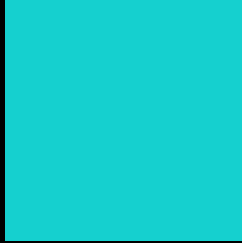
Large Text (above 18pt) WCAG AA × Fail

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, 42.502, 195.677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

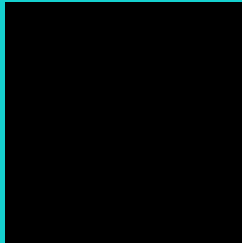
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

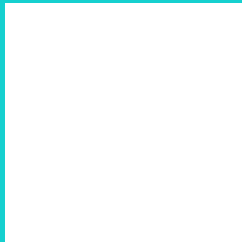
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 42.502, 195.677

Background



This preview shows how black text looks on a background with the CIELCh color 76, 42.502, 195.677.

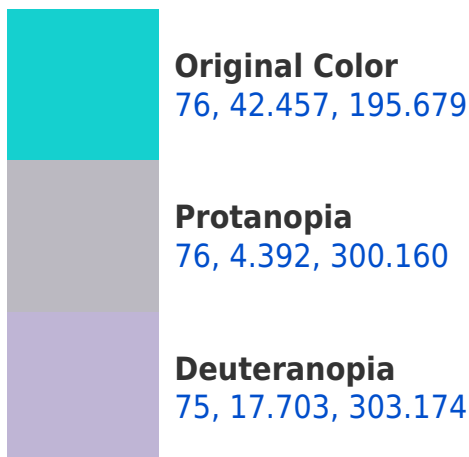


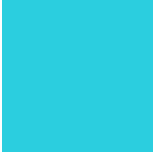
This preview shows how white text looks on a background with the CIELCh color 76, 42.502, 195.677.

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, 39.173, 210.498

Trichromacy



Original Color
76, 42.457, 195.679



Protanomaly
74, 21.647, 205.063



Deuteranomaly
74, 22.024, 227.822



Tritanomaly
76, 40.253, 204.434

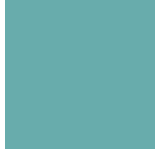
Monochromacy



Original Color
76, 42.457, 195.679



Achromatopsia
63, 0.008, 296.813



Achromatomaly
66, 22.512, 197.555

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 42.502, 195.677 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(21, 208, 207)` looks like.

```
.text, #text, p{  
    color:rgb(21, 208, 207)  
}
```

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(21, 208, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 208, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 42.502, 195.677 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(21, 208, 207) }
```

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

```
.border{ border-color:rgb(21, 208, 207) }
```

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

Here you see how a box with a 4 pixel rgb(21, 208, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 208, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 208, 207);  
box-shadow:4px 4px 4px 4px rgb(21, 208,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 42.502, 195.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 208, 207) }
```

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

```
.background{ background-color: rgb(21, 208,  
207) }
```

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