

Converting Colors

CIELCh(76, 42.780, 194.840)

Have a look what the booklet for
CIELCh(76, 42.780, 194.840)
contains.

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Color

CIELCh(76, 42.699, 194.929)

Conversions

Conversions Part 1

Format	Color
Hex	14D0CE
RGB	20, 208, 206
RGB Percent	8%, 82%, 81%
CMY	0.9208, 0.1831, 0.1909
CMYK	0.90, 0.00, 0.01, 0.18
HSL	179°, 82%, 45%
HSV	179°, 90%, 82%
XYZ	34.1030, 49.8872, 66.4214
YIQ	151.5600, -111.4060, -40.4780

Conversions

Conversions Part 2

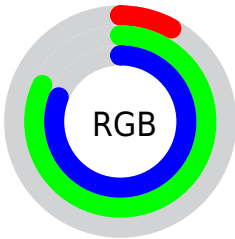
Format	Color
RYB	20, 115, 208
Decimal	1364174
CIELab	76.00, -41.26, -11.00
CIELCh	76, 42.699, 194.929
Yxy	49.8872, 0.2267, 0.3317
Android (android.graphics.Color)	4279554254 (0xFF14D0CE)
YUV	151.5600, 26.8389, -115.3781
Hunter-Lab	70.6309, -37.4183, -6.3148

Details

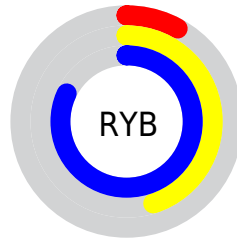
The CIELCh color **76, 42.699, 194.929** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **44, 83.779, 37.022**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.183, 196.962**, and **57, 34.386, 195.403** is the 20% darker color. If you saturate the color by 10%, you get **76, 43.369, 194.749**, and if you desaturate by 10%, it is **76, 41.326, 195.141**.

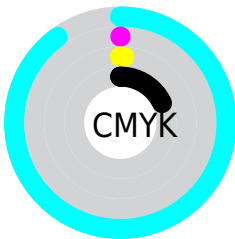
Distribution



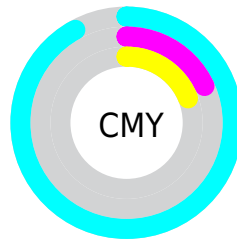
- Red (8%)
- Green (82%)
- Blue (81%)



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



- Cyan (90%)
- Magenta (0%)
- Yellow (1%)
- Black (18%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 42.699, 194.929 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, 42.699, 194.929 by changing the saturation by 10% instead.


 76, 42.699,
194.929


 76, 42.699,
194.929


 100, 42.699,
194.929


 66, 42.699,
194.929


 96, 42.699,
194.929

 56, 42.699,
194.929

 46, 42.699,
194.929

 36, 42.699,
194.929

 26, 42.699,
194.929

 16, 42.699,
194.929

 6, 42.699, 194.929

0, 42.699, 194.929

76, 42.699,
194.929

76, 42.699,
194.929

76, 43.369,
194.749

76, 41.326,
195.141

77, 39.063,
195.395

77, 35.862,
195.698

78, 31.735,
196.052

79, 26.742,
196.459

80, 20.977,
196.918

■ 81, 14.555,
197.429

■ 82, 7.598, 198.003

■ 84, 0.226, 201.009

Harmonies

Complementary

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



76, 42.699, 194.929



44, 83.779, 37.022

Rectangle

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



76, 42.699, 194.929



76, 42.699, 244.929



76, 42.699, 14.929



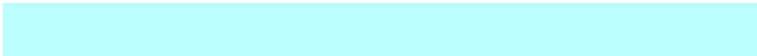
76, 42.699, 64.929

Sweetspot

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



76, 42.698, 194.928



96, 22.272, 197.065



73, 100.222, 136.294



51, 14.814, 196.896



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, 42.698, 194.928



91, 50.517, 194.730



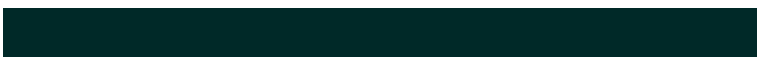
49, 54.679, 278.339



43, 4.207, 198.059



62, 36.999, 194.773



14, 14.126, 195.084

Inverse Universe

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



44, 83.779, 37.022



53, 104.149, 39.705



57, 68.912, 61.388



41, 4.459, 19.063



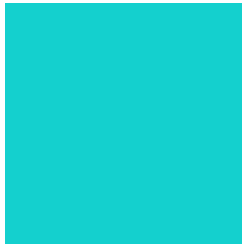
35, 76.008, 39.432



4, 20.016, 18.969

Previews

White Background



This preview shows how the CIE LCh color 76, 42.699, 194.929 looks on a white background.

Color Contrast Check

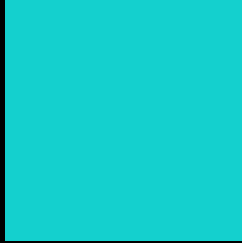
Large Text (above 18pt) WCAG AA × Fail

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, 42.699, 194.929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

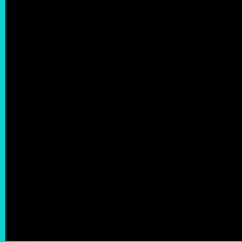
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

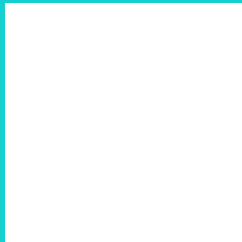
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 42.699, 194.929

Background



This preview shows how black text looks on a background with the CIELCh color 76, 42.699, 194.929.

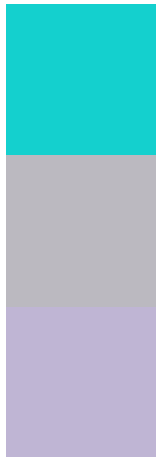


This preview shows how white text looks on a background with the CIELCh color 76, 42.699, 194.929.

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](#).

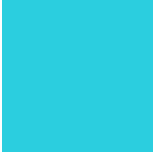
Dichromacy



Original Color
76, 42.656, 194.931

Protanopia
75, 3.862, 301.465

Deuteranopia
75, 17.176, 303.509



Tritanopia
76, 39.173, 210.498

Trichromacy



Original Color
76, 42.656, 194.931



Protanomaly
74, 21.941, 203.498



Deuteranomaly
74, 21.835, 226.453



Tritanomaly
76, 40.253, 204.434

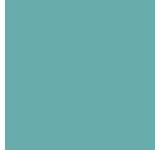
Monochromacy



Original Color
76, 42.656, 194.931



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, 42.699, 194.929 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(20, 208, 206)` looks like.

```
.text, #text, p{  
    color:rgb(20, 208, 206)  
}
```

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(20, 208, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 208, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 42.699, 194.929 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(20, 208, 206) }
```

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

```
.border{ border-color:rgb(20, 208, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 208, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 208, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 208, 206);  
box-shadow:4px 4px 4px 4px rgb(20, 208,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 42.699, 194.929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 208, 206) }
```

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

```
.background{ background-color: rgb(20, 208,  
206) }
```

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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