

Converting Colors

CIELCh(76, 41.921, 198.936)

Have a look what the booklet for
CIELCh(76, 41.921, 198.936)
contains.

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Color

CIELCh(76, 41.994, 198.706)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 13D0D3 |
| RGB | 19, 208, 211 |
| RGB Percent | 7%, 82%, 83% |
| CMY | 0.9271, 0.1848, 0.1730 |
| CMYK | 0.91, 0.01, 0.00, 0.17 |
| HSL | 181°, 84%, 45% |
| HSV | 181°, 91%, 83% |
| XYZ | 34.5315, 49.8872, 69.3629 |
| YIQ | 151.8310, -113.6070, -39.1350 |

Conversions

Conversions Part 2

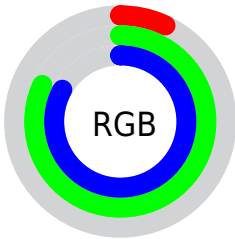
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 19, 114, 211 |
| Decimal | 1298643 |
| CIE _{Lab} | 76.00, -39.78, -13.47 |
| CIE _{LCh} | 76, 41.994, 198.706 |
| Yxy | 49.8872, 0.2245, 0.3244 |
| Android (android.graphics.Color) | 4279488723 (0xFF13D0D3) |
| YUV | 151.8310, 29.1703, -116.4928 |
| Hunter-Lab | 70.6309, -36.3353, -8.7839 |

Details

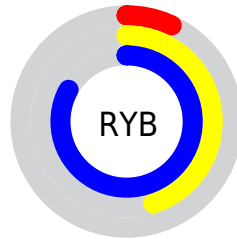
The CIELCh color **76, 41.994, 198.706** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **45, 85.417, 38.008**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.001, 196.972**, and **57, 33.678, 200.405** is the 20% darker color. If you saturate the color by 10%, you get **76, 42.469, 198.862**, and if you desaturate by 10%, it is **76, 40.816, 198.595**.

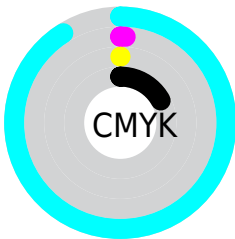
Distribution



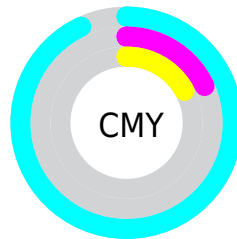
- Red (7%)
- Green (82%)
- Blue (83%)



- Red (7%)
- Yellow (45%)
- Blue (83%)



- Cyan (91%)
- Magenta (1%)
- Yellow (0%)
- Black (17%)





- Cyan (93%)
- Magenta (18%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 41.994, 198.706 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, 41.994, 198.706 by changing the saturation by 10% instead.


 76, 41.994,
198.706


 76, 41.994,
198.706


 100, 41.994,
198.706


 66, 41.994,
198.706


 96, 41.994,
198.706

 56, 41.994,
198.706

 46, 41.994,
198.706

 36, 41.994,
198.706

 26, 41.994,
198.706

 16, 41.994,
198.706

 6, 41.994, 198.706

0, 41.994, 198.706

76, 41.994,
198.706

76, 41.994,
198.706

76, 42.469,
198.862

76, 40.816,
198.595

77, 38.747,
198.576

77, 35.732,
198.649

78, 31.780,
198.811

79, 26.947,
199.057

80, 21.325,
199.381

■ 81, 15.027,
199.777

■ 83, 8.175, 200.249

■ 84, 0.888, 201.314

Harmonies

Complementary

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



76, 41.994, 198.706



45, 85.417, 38.008

Rectangle

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



76, 41.994, 198.706



76, 41.994, 248.706



76, 41.994, 18.706



76, 41.994, 68.706

Sweetspot

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



76, 41.993, 198.705



95, 21.866, 199.527



74, 101.610, 136.340



50, 14.539, 199.397



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, 41.993, 198.705



90, 48.999, 198.890



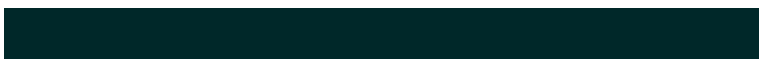
48, 57.542, 280.540



43, 4.137, 200.346



62, 35.915, 198.823



14, 13.791, 198.341

Inverse Universe

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



50, 97.224, 328.758



60, 114.138, 328.874



58, 69.755, 62.566



41, 7.612, 325.354



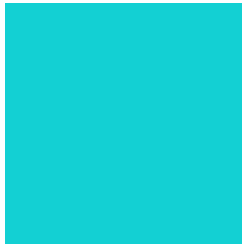
40, 83.640, 328.857



6, 30.748, 328.327

Previews

White Background



This preview shows how the CIELCh color 76, 41.994, 198.706 looks on a white background.

Color Contrast Check

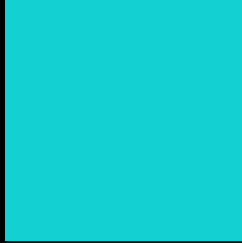
Large Text (above 18pt) WCAG AA × Fail

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, 41.994, 198.706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

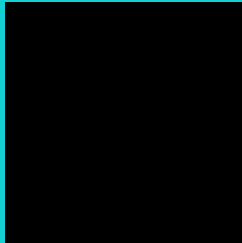
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

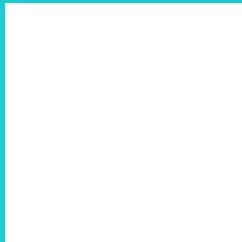
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 41.994, 198.706

Background



This preview shows how black text looks on a background with the CIELCh color 76, 41.994, 198.706.



This preview shows how white text looks on a background with the CIELCh color 76, 41.994, 198.706.

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

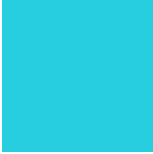
76, 41.994, 198.706

Protanopia

76, 5.954, 294.229

Deuteranopia

75, 19.704, 300.044

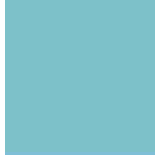


Tritanopia
76, 39.557, 210.338

Trichromacy



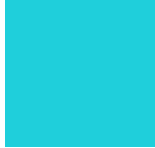
Original Color
76, 41.994, 198.706



Protanomaly
74, 22.214, 209.159



Deuteranomaly
74, 23.330, 232.292



Tritanomaly
76, 40.382, 205.989

Monochromacy



Original Color
76, 41.994, 198.706



Achromatopsia
63, 0.008, 296.813



Achromatomaly
66, 22.701, 198.959

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 41.994, 198.706 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(19, 208, 211)` looks like.

```
.text, #text, p{  
    color:rgb(19, 208, 211)  
}
```

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(19, 208, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 208, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 41.994, 198.706 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(19, 208, 211) }
```

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

```
.border{ border-color:rgb(19, 208, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 208, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 208, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 208, 211);  
box-shadow:4px 4px 4px 4px rgb(19, 208,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 41.994, 198.706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 208, 211) }
```

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

```
.background{ background-color: rgb(19, 208,  
211) }
```

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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