

Converting Colors

CIELCh(78, 42.731, 199.800)

Have a look what the booklet for
CIELCh(78, 42.731, 199.800)
contains.

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Color

CIELCh(78, 42.824, 199.389)

Conversions

Conversions Part 1

Format	Color
Hex	12D6DA
RGB	18, 214, 218
RGB Percent	7%, 84%, 85%
CMY	0.9275, 0.1613, 0.1456
CMYK	0.92, 0.02, 0.00, 0.15
HSL	181°, 84%, 46%
HSV	181°, 92%, 85%
XYZ	36.9072, 53.2120, 74.5626
YIQ	155.8520, -118.1000, -40.3080

Conversions

Conversions Part 2

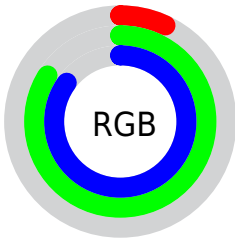
Format	Color
RYB	18, 117, 218
Decimal	1234650
CIELab	78.00, -40.40, -14.22
CIELCh	78, 42.824, 199.389
Yxy	53.2120, 0.2241, 0.3231
Android (android.graphics.Color)	4279424730 (0xFF12D6DA)
YUV	155.8520, 30.6390, -120.8962
Hunter-Lab	72.9466, -37.3447, -9.5409

Details

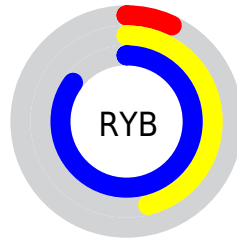
The CIELCh color **78, 42.824, 199.389** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **46, 87.799, 38.215**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.818, 196.983**, and **59, 34.659, 200.263** is the 20% darker color. If you saturate the color by 10%, you get **78, 43.250, 199.599**, and if you desaturate by 10%, it is **78, 41.680, 199.214**.

Distribution



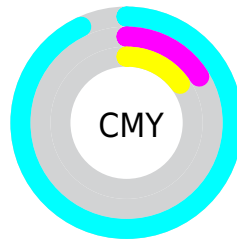
- Red (7%)
- Green (84%)
- Blue (85%)



- Red (7%)
- Yellow (46%)
- Blue (85%)



- Cyan (92%)
- Magenta (2%)
- Yellow (0%)
- Black (15%)



- Cyan (93%)
- Magenta (16%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 42.824, 199.389 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 78, 42.824, 199.389 by changing the saturation by 10% instead.

 78, 42.824,
199.389

 78, 42.824,
199.389

 100, 42.824,
199.389

 68, 42.824,
199.389

 98, 42.824,
199.389

 58, 42.824,
199.389

 48, 42.824,
199.389

 38, 42.824,
199.389

 28, 42.824,
199.389

 18, 42.824,
199.389

 8, 42.824, 199.389

0, 42.824, 199.389

78, 42.824,
199.389

78, 42.824,
199.389

78, 43.250,
199.599

78, 41.680,
199.214

79, 39.624,
199.141

79, 36.597,
199.169

80, 32.604,
199.294

81, 27.704,
199.510

82, 21.990,
199.808

■ 84, 15.578,
200.181

■ 85, 8.594, 200.634

■ 87, 1.158, 201.546

Harmonies

Complementary

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



78, 42.824, 199.389



46, 87.799, 38.215

Rectangle

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



78, 42.824, 199.389



78, 42.824, 249.389



78, 42.824, 19.389



78, 42.824, 69.389

Sweetspot

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



78, 42.823, 199.388



95, 21.765, 199.958



76, 103.887, 136.476



50, 14.472, 199.836



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



78, 42.823, 199.388



90, 48.695, 199.629



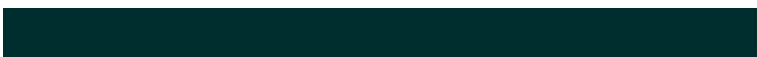
49, 61.200, 282.437



45, 4.282, 200.743



63, 36.492, 199.549



16, 14.725, 198.990

Inverse Universe

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



52, 99.435, 328.937



60, 113.732, 329.061



61, 71.442, 63.868



43, 7.893, 325.479



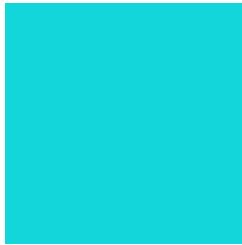
41, 85.207, 329.041



7, 34.080, 328.835

Previews

White Background



This preview shows how the CIE LCh color 78, 42.824, 199.389 looks on a white background.

Color Contrast Check

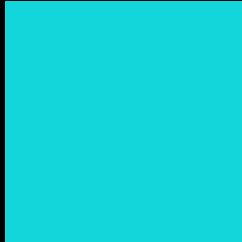
Large Text (above 18pt) WCAG AA × Fail

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 78, 42.824, 199.389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

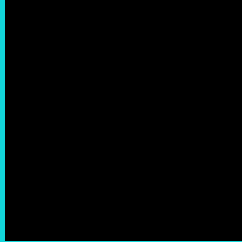
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

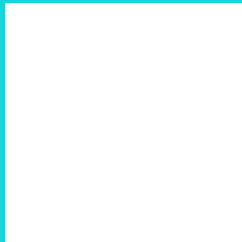
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 42.824, 199.389

Background



This preview shows how black text looks on a background with the CIELCh color 78, 42.824, 199.389.

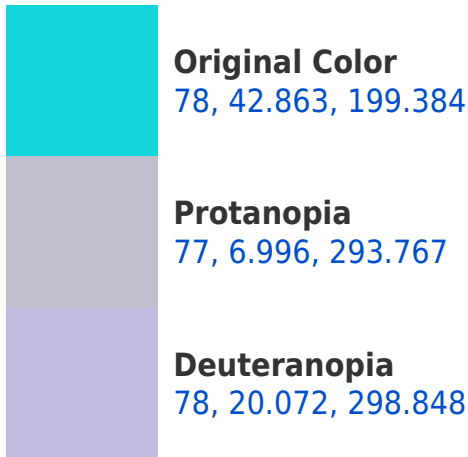


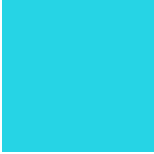
This preview shows how white text looks on a background with the CIELCh color 78, 42.824, 199.389.

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



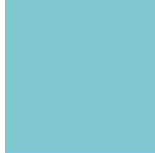


Tritanopia
78, 40.528, 209.922

Trichromacy



Original Color
78, 42.863, 199.384



Protanomaly
76, 23.021, 210.064



Deuteranomaly
76, 24.187, 232.243

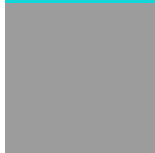


Tritanomaly
78, 41.349, 205.710

Monochromacy



Original Color
78, 42.863, 199.384



Achromatopsia
64, 0.008, 296.813



Achromatomaly
68, 23.229, 198.917

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 42.824, 199.389 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(18, 214, 218)` looks like.

```
.text, #text, p{  
    color:rgb(18, 214, 218)  
}
```

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(18, 214, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 214, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 42.824, 199.389 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(18, 214, 218) }
```

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

```
.border{ border-color:rgb(18, 214, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 214, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 214, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 214, 218);  
box-shadow:4px 4px 4px 4px rgb(18, 214,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 42.824, 199.389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 214, 218) }
```

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

```
.background{ background-color: rgb(18, 214,  
218) }
```

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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