

Converting Colors

CIELCh(78, 42.291, 196.071)

Have a look what the booklet for
CIELCh(78, 42.291, 196.071)
contains.

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Color

CIELCh(78, 42.402, 195.746)

Conversions

Conversions Part 1

Format	Color
Hex	26D6D5
RGB	38, 214, 213
RGB Percent	15%, 84%, 84%
CMY	0.8524, 0.1614, 0.1653
CMYK	0.82, 0.00, 0.00, 0.16
HSL	180°, 70%, 49%
HSV	180°, 82%, 84%
XYZ	36.7812, 53.2120, 71.1766
YIQ	161.2620, -104.5750, -37.6230

Conversions

Conversions Part 2

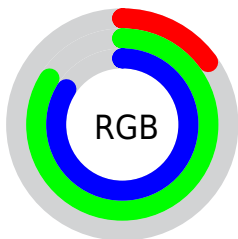
Format	Color
RYB	38, 126, 214
Decimal	2545365
CIELab	78.00, -40.81, -11.51
CIELCh	78, 42.402, 195.746
Yxy	53.2120, 0.2282, 0.3302
Android (android.graphics.Color)	4280735445 (0xFF26D6D5)
YUV	161.2620, 25.5068, -108.1008
Hunter-Lab	72.9466, -37.6529, -6.7888

Details

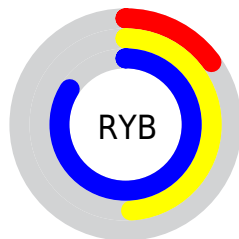
The CIELCh color **78, 42.402, 195.746** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **47, 79.332, 34.530**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.681, 197.050**, and **59, 35.365, 195.437** is the 20% darker color. If you saturate the color by 10%, you get **78, 43.593, 195.599**, and if you desaturate by 10%, it is **78, 40.321, 195.939**.

Distribution



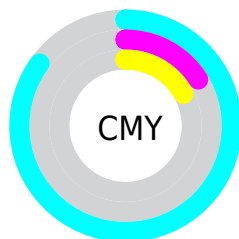
- Red (15%)
- Green (84%)
- Blue (84%)



- Red (15%)
- Yellow (49%)
- Blue (84%)



- Cyan (82%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)



- Cyan (85%)
- Magenta (16%)
- Yellow (17%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 42.402, 195.746 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, 42.402, 195.746 by changing the saturation by 10% instead.

 78, 42.402,
195.746

 78, 42.402,
195.746

 100, 42.402,
195.746


 68, 42.402,
195.746


 98, 42.402,
195.746

 58, 42.402,
195.746

 48, 42.402,
195.746

 38, 42.402,
195.746

 28, 42.402,
195.746

 18, 42.402,
195.746

 8, 42.402, 195.746

0, 42.402, 195.746

78, 42.402,
195.746

78, 42.402,
195.746

78, 43.593,
195.599

78, 40.321,
195.939

78, 44.063,
195.511

79, 37.286,
196.188

79, 33.295,
196.496

80, 28.399,
196.862

81, 22.687,
197.286

82, 16.273,
197.766

■ 84, 9.282, 198.307

■ 85, 1.835, 199.112

■ 87, 5.951, 19.281

Harmonies

Complementary

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



78, 42.402, 195.746



47, 79.332, 34.530

Rectangle

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



78, 42.402, 195.746



78, 42.402, 245.746



78, 42.402, 15.746



78, 42.402, 65.746

Sweetspot

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



78, 42.401, 195.745



96, 20.752, 197.623



75, 98.465, 136.759



51, 13.975, 197.452



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, 42.401, 195.745



91, 50.271, 195.513



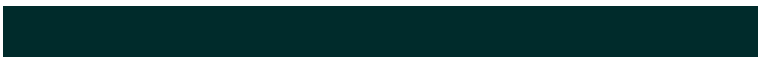
53, 51.194, 274.825



44, 4.289, 198.486



63, 37.274, 195.525



15, 14.607, 195.681

Inverse Universe

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



47, 79.332, 34.530



53, 103.837, 39.641



60, 64.999, 62.976



42, 4.549, 19.470



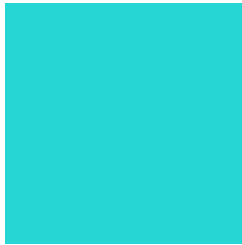
35, 77.106, 39.669



5, 21.995, 19.514

Previews

White Background



This preview shows how the CIE LCh color 78, 42.402, 195.746 looks on a white background.

Color Contrast Check

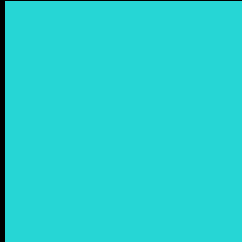
Large Text (above 18pt) WCAG AA × Fail

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, 42.402, 195.746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

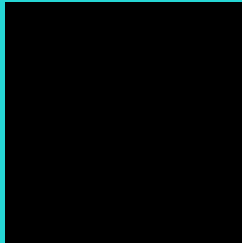
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

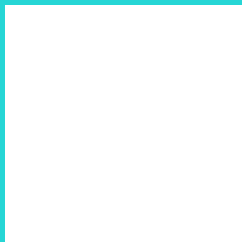
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 42.402, 195.746

Background



This preview shows how black text looks on a background with the CIELCh color 78, 42.402, 195.746.

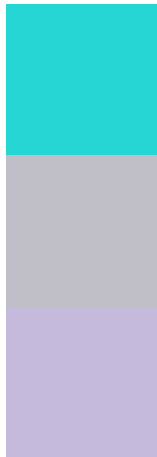


This preview shows how white text looks on a background with the CIELCh color 78, 42.402, 195.746.

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

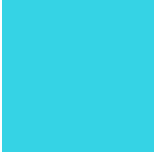
78, 42.402, 195.746

Protanopia

77, 4.370, 300.154

Deuteranopia

77, 18.214, 303.924



Tritanopia
78, 39.099, 211.337

Trichromacy



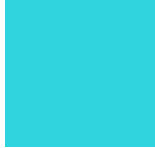
Original Color
78, 42.402, 195.746



Protanomaly
76, 20.787, 203.896



Deuteranomaly
76, 21.028, 231.048



Tritanomaly
78, 40.065, 205.285

Monochromacy



Original Color
78, 42.402, 195.746



Achromatopsia
66, 0.008, 296.813



Achromatomaly
69, 21.370, 197.707

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 42.402, 195.746 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(38, 214, 213)` looks like.

```
.text, #text, p{  
    color:rgb(38, 214, 213)  
}
```

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(38, 214, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 214, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 42.402, 195.746 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(38, 214, 213) }
```

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

```
.border{ border-color:rgb(38, 214, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 214, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 214, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 214, 213);  
box-shadow:4px 4px 4px 4px rgb(38, 214,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 42.402, 195.746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 214, 213) }
```

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

```
.background{ background-color: rgb(38, 214,  
213) }
```

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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