

Converting Colors

CIELCh(78, 43.051, 202.528)

Have a look what the booklet for
CIELCh(78, 43.051, 202.528)
contains.

CIELCh(78, 42.939, 202.314)	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(78, 42.939, 202.314)

Conversions

Conversions Part 1

Format	Color
Hex	00D6DE
RGB	0, 214, 222
RGB Percent	0%, 84%, 87%
CMY	1.0000, 0.1618, 0.1304
CMYK	1.00, 0.04, 0.00, 0.13
HSL	182°, 100%, 43%
HSV	182°, 100%, 87%
XYZ	37.1115, 53.2120, 77.2416
YIQ	150.9260, -130.1120, -42.8800

Conversions

Conversions Part 2

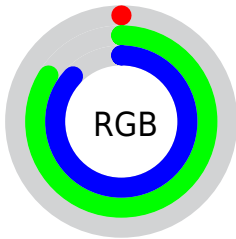
Format	Color
RYB	0, 109, 222
Decimal	55006
CIELab	78.00, -39.72, -16.30
CIELCh	78, 42.939, 202.314
Yxy	53.2120, 0.2215, 0.3176
Android (android.graphics.Color)	4278245086 (0xFF00D6DE)
YUV	150.9260, 35.0395, -132.3621
Hunter-Lab	72.9466, -36.8448, -11.7184

Details

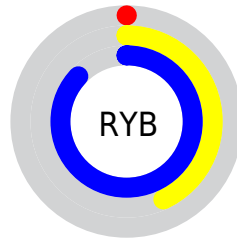
The CIELCh color **78, 42.939, 202.314** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **47, 93.637, 40.302**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.183, 196.962**, and **60, 34.254, 204.247** is the 20% darker color. If you saturate the color by 10%, you get **78, 42.899, 202.321**, and if you desaturate by 10%, it is **78, 42.432, 201.821**.

Distribution



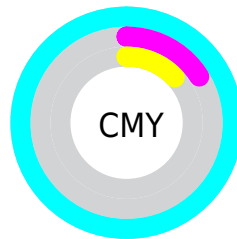
- Red (0%)
- Green (84%)
- Blue (87%)



- Red (0%)
- Yellow (43%)
- Blue (87%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (13%)




- Cyan (100%)
- Magenta (16%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 42.939, 202.314 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, 42.939, 202.314 by changing the saturation by 10% instead.


 78, 42.939,
202.314

 78, 42.939,
202.314


 100, 42.939,
202.314


 68, 42.939,
202.314


 98, 42.939,
202.314

 58, 42.939,
202.314

 48, 42.939,
202.314

 38, 42.939,
202.314

 28, 42.939,
202.314

 18, 42.939,
202.314

 8, 42.939, 202.314

■ 0, 42.939, 202.314

■ 78, 42.939,
202.314

■ 78, 42.939,
202.314

■ 78, 42.899,
202.321

■ 78, 42.432,
201.821

■ 79, 41.221,
201.444

■ 79, 39.071,
201.205

■ 80, 35.936,
201.099

■ 81, 31.831,
201.115

■ 82, 26.824,
201.241

■ 83, 21.016,
201.465

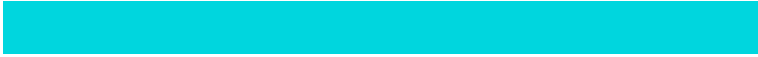
■ 85, 14.526,
201.777

■ 87, 7.480, 202.182

Harmonies

Complementary

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



78, 42.939, 202.314



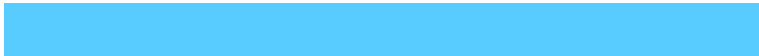
47, 93.637, 40.302

Rectangle

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



78, 42.939, 202.314



78, 42.939, 252.314



78, 42.939, 22.314



78, 42.939, 72.314

Sweetspot

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



78, 42.899, 202.321



95, 23.516, 201.459



77, 107.215, 136.231



50, 15.763, 201.353



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, 42.899, 202.321



88, 47.658, 202.370



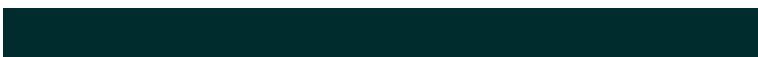
46, 70.272, 287.723



45, 4.215, 202.210



62, 35.732, 202.218



16, 14.466, 201.169

Inverse Universe

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



52, 101.058, 329.738



60, 112.284, 329.750



60, 75.896, 62.929



43, 7.807, 325.922



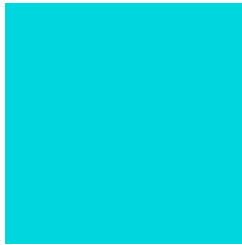
41, 84.148, 329.712



7, 33.703, 329.382

Previews

White Background



This preview shows how the CIE LCh color 78, 42.939, 202.314 looks on a white background.

Color Contrast Check

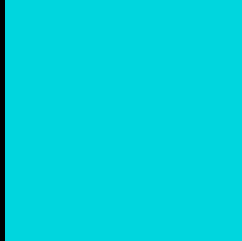
Large Text (above 18pt) WCAG AA × Fail

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, 42.939, 202.314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

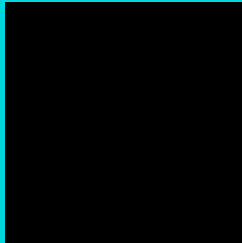
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 42.939, 202.314

Background



This preview shows how black text looks on a background with the CIELCh color 78, 42.939, 202.314.

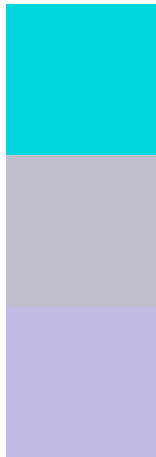


This preview shows how white text looks on a background with the CIELCh color 78, 42.939, 202.314.

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

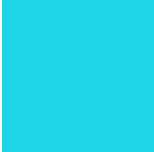
78, 42.939, 202.314

Protanopia

77, 9.127, 291.020

Deuteranopia

77, 22.131, 296.562

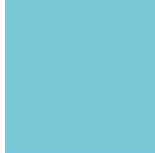


Tritanopia
78, 41.005, 210.531

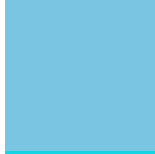
Trichromacy



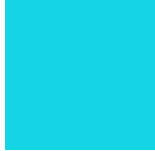
Original Color
78, 42.939, 202.314



Protanomaly
76, 24.980, 214.164



Deuteranomaly
76, 26.768, 234.099

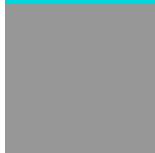


Tritanomaly
78, 41.813, 207.114

Monochromacy



Original Color
78, 42.939, 202.314



Achromatopsia
62, 0.008, 296.813



Achromatomaly
66, 24.885, 201.270

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 42.939, 202.314 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(0, 214, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 222)  
}
```

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(0, 214, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 42.939, 202.314 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(0, 214, 222) }
```

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

```
.border{ border-color:rgb(0, 214, 222) }
```

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

Here you see how a box with a 4 pixel rgb(0, 214, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 42.939, 202.314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 222) }
```

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

```
.background{ background-color: rgb(0, 214,  
222) }
```

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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