

Converting Colors

CIELCh(79, 43.308, 202.983)

Have a look what the booklet for
CIELCh(79, 43.308, 202.983)
contains.

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Color

CIELCh(79, 43.308, 202.983)

Conversions

Conversions Part 1

Format	Color
Hex	00D9E2
RGB	0, 217, 226
RGB Percent	0%, 85%, 89%
CMY	1.0000, 0.1502, 0.1149
CMYK	1.00, 0.04, 0.00, 0.11
HSL	182°, 100%, 44%
HSV	182°, 100%, 89%
XYZ	38.3944, 54.9284, 80.3094
YIQ	153.1430, -132.2210, -43.2050

Conversions

Conversions Part 2

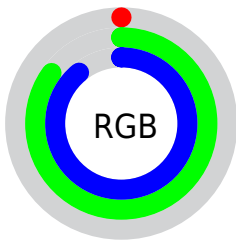
Format	Color
RYB	0, 111, 226
Decimal	55778
CIELab	79.00, -39.87, -16.91
CIELCh	79, 43.308, 202.983
Yxy	54.9284, 0.2211, 0.3163
Android (android.graphics.Color)	4278245858 (0xFF00D9E2)
YUV	153.1430, 35.9185, -134.3064
Hunter-Lab	74.1137, -37.2274, -12.3669

Details

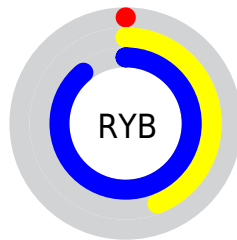
The CIELCh color **79, 43.308, 202.983** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **47, 94.853, 40.327**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.001, 196.972**, and **60, 34.430, 206.154** is the 20% darker color. If you saturate the color by 10%, you get **79, 43.261, 202.992**, and if you desaturate by 10%, it is **79, 42.812, 202.426**.

Distribution



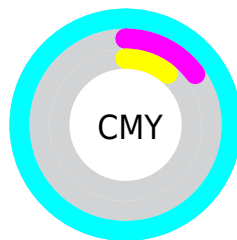
- Red (0%)
- Green (85%)
- Blue (89%)



- Red (0%)
- Yellow (44%)
- Blue (89%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)





- Cyan (100%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 43.308, 202.983 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 79, 43.308, 202.983 by changing the saturation by 10% instead.


 79, 43.308,
202.983


 79, 43.308,
202.983


 100, 43.308,
202.983


 69, 43.308,
202.983


 99, 43.308,
202.983

 59, 43.308,
202.983

 49, 43.308,
202.983

 39, 43.308,
202.983

 29, 43.308,
202.983

 19, 43.308,
202.983

 9, 43.308, 202.983

0, 43.308, 202.983

79, 43.308,
202.983

79, 43.308,
202.983

79, 43.261,
202.992

79, 42.812,
202.426

80, 41.608,
201.993

80, 39.452,
201.709

81, 36.295,
201.565

82, 32.156,
201.550

83, 27.102,
201.650

■ 85, 21.236,
201.853

■ 86, 14.680,
202.147

■ 88, 7.560, 202.537

Harmonies

Complementary

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



79, 43.308, 202.983



47, 94.853, 40.327

Rectangle

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



79, 43.308, 202.983



79, 43.308, 252.983



79, 43.308, 22.983



79, 43.308, 72.983

Sweetspot

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



79, 43.261, 202.992



94, 23.427, 201.848



79, 108.662, 136.227



50, 15.703, 201.751



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



79, 43.261, 202.992



88, 47.426, 203.039



47, 71.290, 287.772



46, 4.279, 202.563



63, 35.946, 202.878



17, 14.888, 201.768

Inverse Universe

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



53, 102.098, 329.905



60, 111.942, 329.917



61, 76.925, 62.886



44, 7.936, 326.030



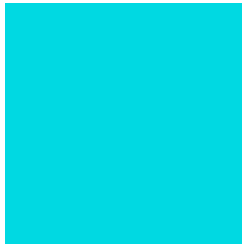
41, 84.808, 329.877



8, 34.982, 329.592

Previews

White Background



This preview shows how the CIELCh color 79, 43.308, 202.983 looks on a white background.

Color Contrast Check

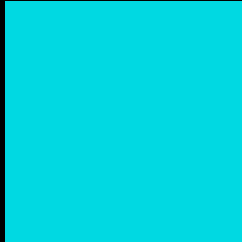
Large Text (above 18pt) WCAG AA × Fail

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 79, 43.308, 202.983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

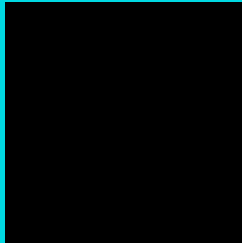
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 79, 43.308, 202.983

Background



This preview shows how black text looks on a background with the CIELCh color 79, 43.308, 202.983.

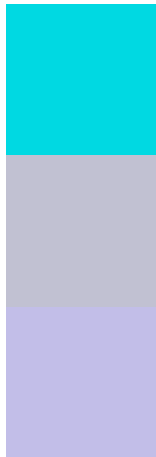


This preview shows how white text looks on a background with the CIELCh color 79, 43.308, 202.983.

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

79, 43.308, 202.983

Protanopia

79, 9.101, 291.008

Deuteranopia

79, 22.573, 295.616

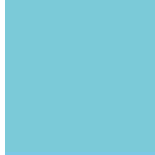


Tritanopia
79, 41.711, 209.457

Trichromacy



Original Color
79, 43.308, 202.983



Protanomaly
77, 25.292, 215.203



Deuteranomaly
77, 27.394, 234.431

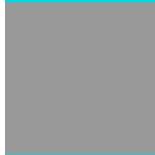


Tritanomaly
79, 42.316, 206.954

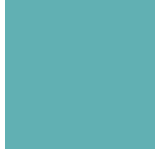
Monochromacy



Original Color
79, 43.308, 202.983



Achromatopsia
63, 0.008, 296.813



Achromatomaly
67, 25.141, 201.219

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 43.308, 202.983 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, 217, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 217, 226)  
}
```

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, 217, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 43.308, 202.983 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, 217, 226) }
```

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

```
.border{ border-color:rgb(0, 217, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 217, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 217, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 217, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 217,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 43.308, 202.983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 217, 226) }
```

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

```
.background{ background-color: rgb(0, 217,  
226) }
```

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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