

Converting Colors

CIELCh(79, 43.088, 196.447)

Have a look what the booklet for
CIELCh(79, 43.088, 196.447)
contains.

CIELCh(79, 43.099, 196.468)	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(79, 43.099, 196.468)

Conversions

Conversions Part 1

Format	Color
Hex	21D9D9
RGB	33, 217, 217
RGB Percent	13%, 85%, 85%
CMY	0.8710, 0.1492, 0.1492
CMYK	0.85, 0.00, 0.00, 0.15
HSL	180°, 74%, 49%
HSV	180°, 85%, 85%
XYZ	37.9410, 54.9284, 74.2144
YIQ	161.9840, -109.6640, -39.0080

Conversions

Conversions Part 2

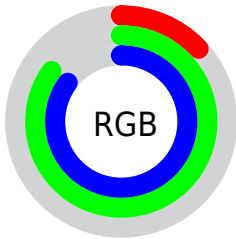
Format	Color
RYB	33, 125, 217
Decimal	2218457
CIELab	79.00, -41.33, -12.22
CIElCh	79, 43.099, 196.468
Yxy	54.9284, 0.2271, 0.3287
Android (android.graphics.Color)	4280408537 (0xFF21D9D9)
YUV	161.9840, 27.1229, -113.1190
Hunter-Lab	74.1137, -38.3194, -7.4910

Details

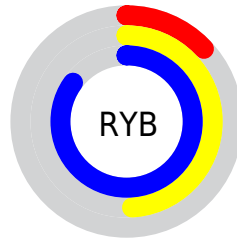
The CIELCh color **79, 43.099, 196.468** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **47, 82.710, 35.745**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.875, 197.039**, and **60, 35.382, 197.333** is the 20% darker color. If you saturate the color by 10%, you get **79, 44.074, 196.404**, and if you desaturate by 10%, it is **79, 41.253, 196.587**.

Distribution



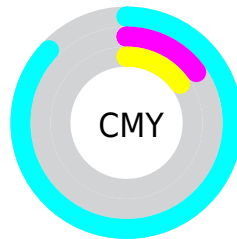
- Red (13%)
- Green (85%)
- Blue (85%)



- Red (13%)
- Yellow (49%)
- Blue (85%)



- Cyan (85%)
- Magenta (0%)
- Yellow (0%)
- Black (15%)



- Cyan (87%)
- Magenta (15%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 43.099, 196.468 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, 43.099, 196.468 by changing the saturation by 10% instead.

 79, 43.099,
196.468

 79, 43.099,
196.468

 100, 43.099,
196.468

 69, 43.099,
196.468

 99, 43.099,
196.468

 59, 43.099,
196.468

 49, 43.099,
196.468

 39, 43.099,
196.468

 29, 43.099,
196.468

 19, 43.099,
196.468

 9, 43.099, 196.468

■ 0, 43.099, 196.468

■ 79, 43.099,
196.468

■ 79, 43.099,
196.468

■ 79, 44.074,
196.404

■ 79, 41.253,
196.587

■ 79, 44.360,
196.385

■ 80, 38.452,
196.770

■ 80, 34.677,
197.020

■ 81, 29.967,
197.337

■ 82, 24.402,
197.717

■ 83, 18.092,
198.159

■ 84, 11.161,
198.663

■ 86, 3.735, 199.294

■ 88, 4.068, 19.555

Harmonies

Complementary

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



79, 43.099, 196.468



47, 82.710, 35.745

Rectangle

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



79, 43.099, 196.468



79, 43.099, 246.468



79, 43.099, 16.468



79, 43.099, 66.468

Sweetspot

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



79, 43.098, 196.467



96, 20.731, 198.141



76, 100.959, 136.584



51, 13.959, 197.978



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, 43.098, 196.467



91, 50.115, 196.385



53, 53.245, 275.946



45, 4.371, 198.971



64, 37.532, 196.385



16, 15.074, 196.385

Inverse Universe

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



47, 82.710, 35.745



53, 104.575, 40.000



61, 67.566, 62.504



43, 4.639, 19.931



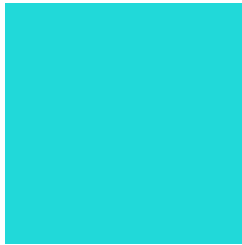
36, 78.235, 39.928



5, 23.840, 20.268

Previews

White Background



This preview shows how the CIE LCh color 79, 43.099, 196.468 looks on a white background.

Color Contrast Check

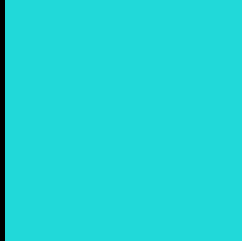
Large Text (above 18pt) WCAG AA × Fail

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, 43.099, 196.468 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, 43.099, 196.468

Background



This preview shows how black text looks on a background with the CIELCh color 79, 43.099, 196.468.

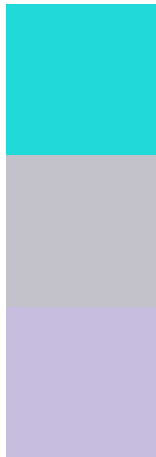


This preview shows how white text looks on a background with the CIELCh color 79, 43.099, 196.468.

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](#).

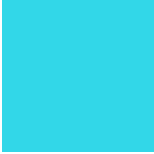
Dichromacy



Original Color
79, 43.099, 196.468

Protanopia
78, 4.886, 299.136

Deuteranopia
78, 18.614, 302.533

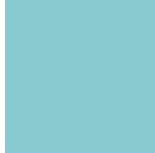


Tritanopia
79, 40.062, 210.093

Trichromacy



Original Color
79, 43.099, 196.468



Protanomaly
77, 21.604, 205.067



Deuteranomaly
77, 21.934, 231.084

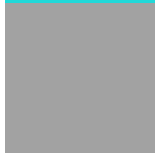


Tritanomaly
79, 40.992, 205.036

Monochromacy



Original Color
79, 43.099, 196.468



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 22.202, 197.655

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 43.099, 196.468 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(33, 217, 217)` looks like.

```
.text, #text, p{  
    color:rgb(33, 217, 217)  
}
```

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(33, 217, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 217, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 43.099, 196.468 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(33, 217, 217) }
```

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

```
.border{ border-color:rgb(33, 217, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 217, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 217, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 217, 217);  
box-shadow:4px 4px 4px 4px rgb(33, 217,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 43.099, 196.468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 217, 217) }
```

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

```
.background{ background-color: rgb(33, 217,  
217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor