

Converting Colors

CIELCh(83, 44.117, 183.156)

Have a look what the booklet for
CIELCh(83, 44.117, 183.156)
contains.

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Color

CIE LCh(83, 44.202, 183.201)

Conversions

Conversions Part 1

Format	Color
Hex	4CE5D2
RGB	76, 229, 210
RGB Percent	30%, 90%, 82%
CMY	0.7024, 0.1023, 0.1768
CMYK	0.67, 0.00, 0.08, 0.10
HSL	173°, 75%, 60%
HSV	173°, 67%, 90%
XYZ	42.5827, 62.1629, 70.6637
YIQ	181.0870, -85.0890, -38.3450

Conversions

Conversions Part 2

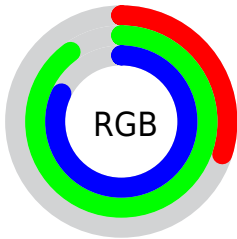
Format	Color
RYB	76, 158, 229
Decimal	5039570
CIELab	83.00, -44.13, -2.47
CIELCh	83, 44.202, 183.201
Yxy	62.1629, 0.2428, 0.3544
Android (android.graphics.Color)	4283229650 (0xFF4CE5D2)
YUV	181.0870, 14.2541, -92.1613
Hunter-Lab	78.8435, -41.5698, 2.0516

Details

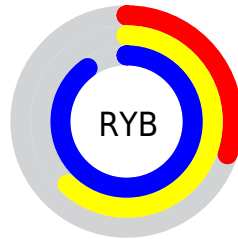
The CIELCh color **83, 44.202, 183.201** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **55, 64.357, 20.777**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.784, 197.342**, and **64, 41.053, 182.554** is the 20% darker color. If you saturate the color by 10%, you get **83, 47.695, 182.077**, and if you desaturate by 10%, it is **84, 39.721, 184.235**.

Distribution



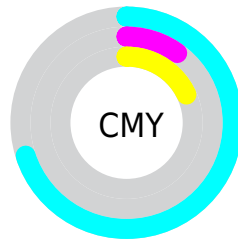
- Red (30%)
- Green (90%)
- Blue (82%)



- Red (30%)
- Yellow (62%)
- Blue (90%)



- Cyan (67%)
- Magenta (0%)
- Yellow (8%)
- Black (10%)




- Cyan (70%)
- Magenta (10%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 44.202, 183.201 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 83, 44.202, 183.201 by changing the saturation by 10% instead.


 83, 44.202,
183.201


 83, 44.202,
183.201


 100, 44.202,
183.201


 73, 44.202,
183.201

 63, 44.202,
183.201

 53, 44.202,
183.201

 43, 44.202,
183.201

 33, 44.202,
183.201

 23, 44.202,
183.201

 13, 44.202,

183.201

■ 3, 44.202, 183.201

■ 0, 44.202, 183.201

■ 83, 44.202,
183.201

■ 83, 44.202,
183.201

■ 83, 47.695,
182.077

■ 84, 39.721,
184.235

■ 82, 50.210,
180.845

■ 85, 34.305,
185.202

■ 82, 51.847,
179.493

■ 86, 28.055,
186.119

■ 82, 52.271,
179.058

■ 87, 21.099,
187.001

■ 88, 13.577,

187.862

 90, 5.626, 188.746

 91, 2.627, 9.223

 93, 9.628, 8.541

 93, 9.991, 0.298

Harmonies

Complementary

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



83, 44.202, 183.201



55, 64.357, 20.777

Rectangle

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



83, 44.202, 183.201



83, 44.202, 233.201



83, 44.202, 3.201



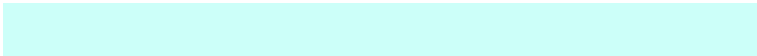
83, 44.202, 53.201

Sweetspot

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



83, 44.202, 183.200



96, 17.456, 187.581



81, 88.592, 136.191



51, 11.826, 187.338



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 44.202, 183.200



91, 52.860, 181.644



67, 38.174, 253.136



47, 4.653, 188.505



65, 43.294, 179.302



18, 17.771, 181.665

Inverse Universe

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



55, 64.357, 20.777



56, 83.139, 26.134



65, 56.067, 54.553



45, 4.872, 9.952



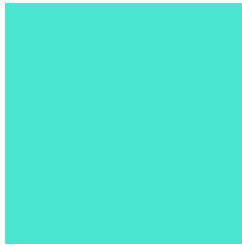
37, 74.649, 34.401



6, 26.771, 16.605

Previews

White Background



This preview shows how the CIELCh color 83, 44.202, 183.201 looks on a white background.

Color Contrast Check

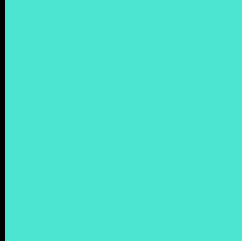
Large Text (above 18pt) WCAG AA × Fail

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 83, 44.202, 183.201 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

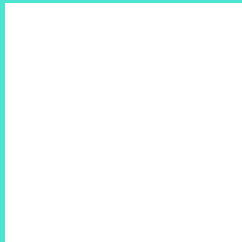
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 44.202, 183.201

Background



This preview shows how black text looks on a background with the CIELCh color 83, 44.202, 183.201.

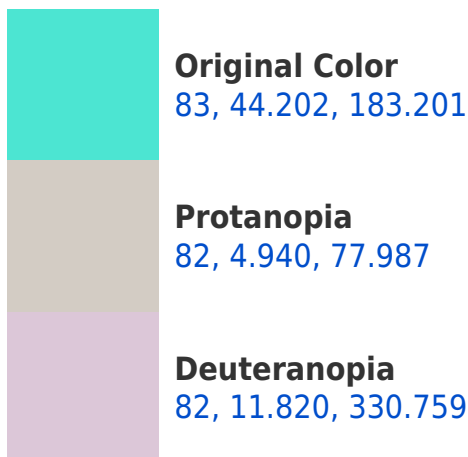


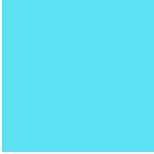
This preview shows how white text looks on a background with the CIELCh color 83, 44.202, 183.201.

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
83, 36.388, 212.505

Trichromacy



Original Color
83, 44.202, 183.201



Protanomaly
82, 18.955, 178.357



Deuteranomaly
81, 14.389, 206.966

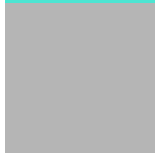


Tritanomaly
83, 38.262, 200.093

Monochromacy



Original Color
83, 44.202, 183.201



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 19.235, 188.236

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 44.202, 183.201 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(76, 229, 210)` looks like.

```
.text, #text, p{  
    color:rgb(76, 229, 210)  
}
```

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(76, 229, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 229, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 44.202, 183.201 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(76, 229, 210) }
```

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

```
.border{ border-color:rgb(76, 229, 210) }
```

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

Here you see how a box with a 4 pixel rgb(76, 229, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 229, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 229, 210);  
box-shadow:4px 4px 4px 4px rgb(76, 229,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 44.202, 183.201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 229, 210) }
```

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

```
.background{ background-color: rgb(76, 229,  
210) }
```

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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