

Converting Colors

CIELCh(83, 33.871, 182.511)

Have a look what the booklet for
CIELCh(83, 33.871, 182.511)
contains.

CIELCh(83, 33.871, 182.511)	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(83, 33.871, 182.511)

Conversions

Conversions Part 1

Format	Color
Hex	79E0D0
RGB	121, 224, 208
RGB Percent	47%, 88%, 82%
CMY	0.5241, 0.1202, 0.1830
CMYK	0.46, 0.00, 0.07, 0.12
HSL	171°, 63%, 68%
HSV	171°, 46%, 88%
XYZ	46.1134, 62.1629, 69.4656
YIQ	191.3790, -56.2520, -26.8120

Conversions

Conversions Part 2

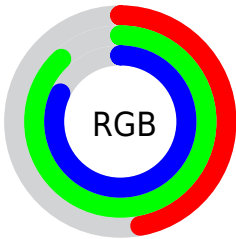
Format	Color
RYB	121, 177, 224
Decimal	7987408
CIELab	83.00, -33.84, -1.48
CIELCh	83, 33.871, 182.511
Yxy	62.1629, 0.2594, 0.3497
Android (android.graphics.Color)	4286177488 (0xFF79E0D0)
YUV	191.3790, 8.1942, -61.7224
Hunter-Lab	78.8435, -33.5764, 2.9526

Details

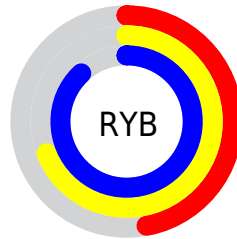
The CIELCh color **83, 33.871, 182.511** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **63, 42.571, 12.756**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 24.270, 197.921**, and **63, 33.589, 182.965** is the 20% darker color. If you saturate the color by 10%, you get **82, 39.506, 181.436**, and if you desaturate by 10%, it is **84, 27.452, 183.513**.

Distribution



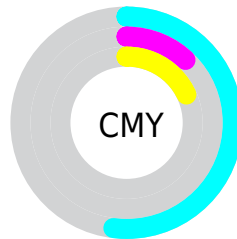
- Red (47%)
- Green (88%)
- Blue (82%)



- Red (47%)
- Yellow (69%)
- Blue (88%)



- Cyan (46%)
- Magenta (0%)
- Yellow (7%)
- Black (12%)





- Cyan (52%)
- Magenta (12%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 33.871, 182.511 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, 33.871, 182.511 by changing the saturation by 10% instead.


 83, 33.871,
182.511


 83, 33.871,
182.511


 100, 33.871,
182.511


 73, 33.871,
182.511

 63, 33.871,
182.511

 53, 33.871,
182.511

 43, 33.871,
182.511

 33, 33.871,
182.511

 23, 33.871,
182.511

 13, 33.871,

182.511

■ 3, 33.871, 182.511

■ 0, 33.871, 182.511

■ 83, 33.871,
182.511

■ 83, 33.871,
182.511

■ 82, 39.506,
181.436

■ 84, 27.452,
183.513

■ 81, 44.250,
180.274

■ 85, 20.380,
184.465

■ 81, 48.040,
179.001

■ 87, 12.794,
185.383

■ 81, 50.874,
177.594

■ 88, 4.830, 186.324

■ 80, 52.834,

■ 90, 3.392, 6.878

176.041

92, 11.416, 7.393

80, 53.493,
175.388

92, 11.894,
358.906

92, 12.617,
351.247

92, 13.547,
344.545

Harmonies

Complementary

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



83, 33.871, 182.511



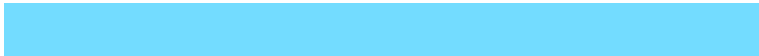
63, 42.571, 12.756

Rectangle

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



83, 33.871, 182.511



83, 33.871, 232.511



83, 33.871, 2.511



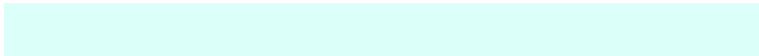
83, 33.871, 52.511

Sweetspot

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



83, 33.871, 182.509



97, 12.534, 185.548



82, 62.004, 137.015



52, 8.618, 185.350



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, 33.871, 182.509



92, 43.222, 181.494



74, 27.041, 242.124



46, 4.619, 185.977



64, 44.472, 175.670



17, 17.718, 178.598

Inverse Universe

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



63, 42.571, 12.756



66, 57.190, 14.956



70, 35.619, 52.522



44, 4.819, 7.494



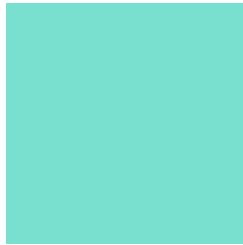
37, 72.320, 32.398



6, 25.294, 14.368

Previews

White Background



This preview shows how the CIE LCh color 83, 33.871, 182.511 looks on a white background.

Color Contrast Check

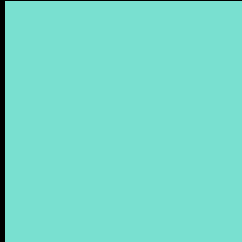
Large Text (above 18pt) WCAG AA × Fail

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, 33.871, 182.511 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

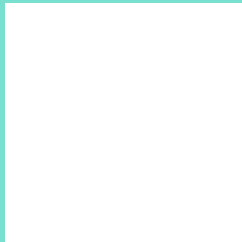
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 33.871, 182.511

Background



This preview shows how black text looks on a background with the CIELCh color 83, 33.871, 182.511.

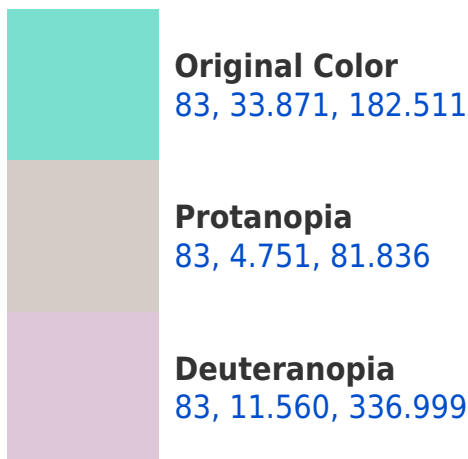


This preview shows how white text looks on a background with the CIELCh color 83, 33.871, 182.511.

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](#).

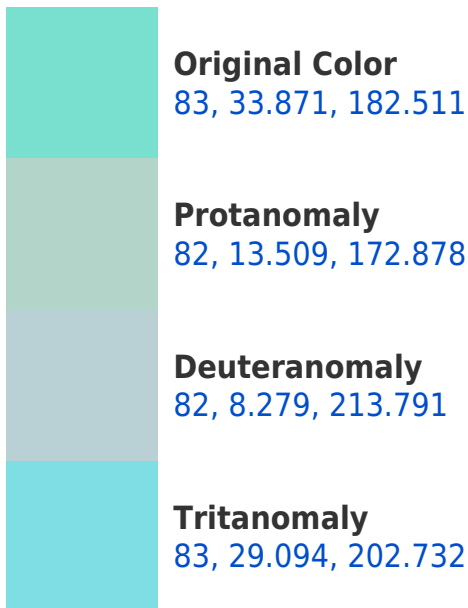
Dichromacy



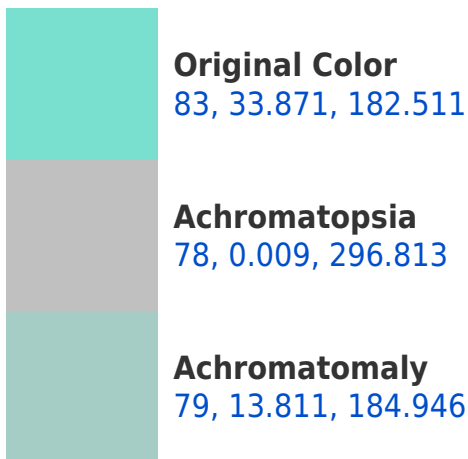


Tritanopia
83, 28.208, 217.622

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 33.871, 182.511 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(121, 224, 208)` looks like.

```
.text, #text, p{  
    color:rgb(121, 224, 208)  
}
```

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(121, 224, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 224, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 33.871, 182.511 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(121, 224, 208) }
```

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

```
.border{ border-color:rgb(121, 224, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 224, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 224, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 224, 208);  
box-shadow:4px 4px 4px 4px rgb(121, 224,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 33.871, 182.511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 224, 208) }
```

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

```
.background{ background-color: rgb(121,  
224, 208) }
```

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