

Converting Colors

CIELCh(83, 33.952, 180.217)

Have a look what the booklet for
CIELCh(83, 33.952, 180.217)
contains.

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Color

CIElCh(83, 33.841, 180.639)

Conversions

Conversions Part 1

Format	Color
Hex	7BE0CE
RGB	123, 224, 206
RGB Percent	48%, 88%, 81%
CMY	0.5165, 0.1205, 0.1911
CMYK	0.45, 0.00, 0.08, 0.12
HSL	169°, 62%, 68%
HSV	169°, 45%, 88%
XYZ	46.1132, 62.1629, 68.1348
YIQ	191.7490, -54.4180, -27.0100

Conversions

Conversions Part 2

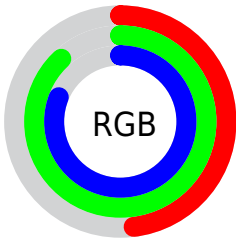
Format	Color
RYB	123, 178, 224
Decimal	8118478
CIELab	83.00, -33.84, -0.38
CIELCh	83, 33.841, 180.639
Yxy	62.1629, 0.2614, 0.3524
Android (android.graphics.Color)	4286308558 (0xFF7BE0CE)
YUV	191.7490, 7.0257, -60.2929
Hunter-Lab	78.8435, -33.5767, 3.9533

Details

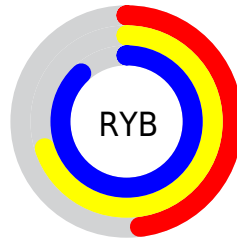
The CIELCh color **83, 33.841, 180.639** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **63, 41.701, 10.837**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 23.987, 197.938**, and **63, 33.724, 181.039** is the 20% darker color. If you saturate the color by 10%, you get **82, 39.716, 179.502**, and if you desaturate by 10%, it is **84, 27.212, 181.692**.

Distribution



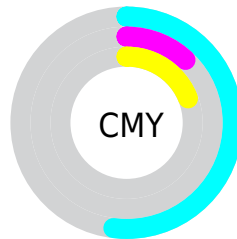
- Red (48%)
- Green (88%)
- Blue (81%)



- Red (48%)
- Yellow (70%)
- Blue (88%)



- Cyan (45%)
- Magenta (0%)
- Yellow (8%)
- Black (12%)





- Cyan (52%)
- Magenta (12%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 33.841, 180.639 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, 33.841, 180.639 by changing the saturation by 10% instead.


 83, 33.841,
180.639


 83, 33.841,
180.639


 100, 33.841,
180.639


 73, 33.841,
180.639


 63, 33.841,
180.639

 53, 33.841,
180.639

 43, 33.841,
180.639

 33, 33.841,
180.639

 23, 33.841,
180.639

 13, 33.841,

180.639

■ 3, 33.841, 180.639

■ 0, 33.841, 180.639

■ 83, 33.841,
180.639

■ 83, 33.841,
180.639

■ 82, 39.716,
179.502

■ 84, 27.212,
181.692

■ 81, 44.722,
178.265

■ 85, 19.961,
182.684

■ 81, 48.789,
176.903

■ 87, 12.230,
183.636

■ 80, 51.907,
175.393

■ 88, 4.153, 184.617

■ 80, 54.144,

■ 90, 4.150, 5.204

173.723

92, 11.561, 4.751

80, 55.050,
172.862

92, 12.219,
355.371

92, 13.176,
347.170

92, 14.374,
340.231

Harmonies

Complementary

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



83, 33.841, 180.639



63, 41.701, 10.837

Rectangle

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



83, 33.841, 180.639



83, 33.841, 230.639



83, 33.841, 0.639



83, 33.841, 50.639

Sweetspot

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



83, 33.842, 180.637



97, 12.660, 183.724



82, 60.558, 136.656



52, 8.707, 183.519



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, 33.842, 180.637



92, 43.370, 179.578



74, 26.405, 239.501



46, 4.662, 184.166



64, 45.754, 173.167



17, 18.131, 176.365

Inverse Universe

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



63, 41.701, 10.837



67, 55.997, 12.950



70, 34.965, 50.869



44, 4.851, 5.725



37, 71.231, 30.830



6, 25.284, 13.395

Previews

White Background



This preview shows how the CIELCh color 83, 33.841, 180.639 looks on a white background.

Color Contrast Check

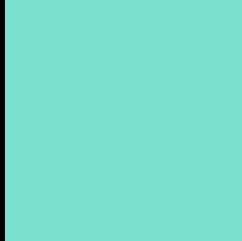
Large Text (above 18pt) WCAG AA × Fail

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, 33.841, 180.639 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

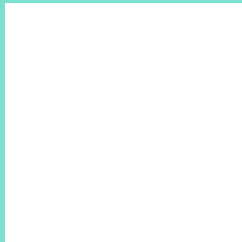
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 33.841, 180.639

Background



This preview shows how black text looks on a background with the CIELCh color 83, 33.841, 180.639.

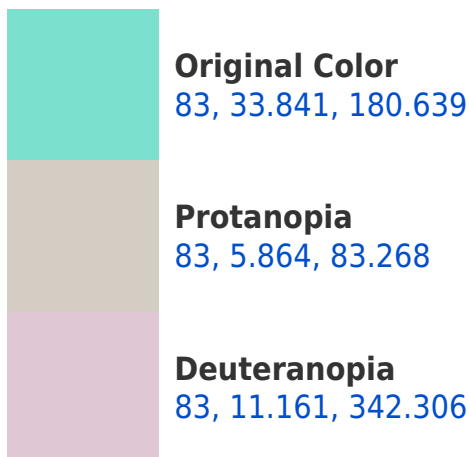



This preview shows how white text looks on a background with the CIELCh color 83, 33.841, 180.639.

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



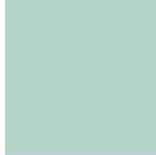


Tritanopia
83, 27.669, 216.866

Trichromacy



Original Color
83, 33.841, 180.639



Protanomaly
82, 13.456, 167.689



Deuteranomaly
82, 7.456, 207.142

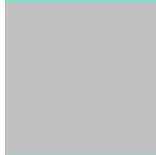


Tritanomaly
83, 28.659, 201.760

Monochromacy



Original Color
83, 33.841, 180.639



Achromatopsia
78, 0.009, 296.813



Achromatomaly
79, 13.661, 182.493

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 33.841, 180.639 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(123, 224, 206)` looks like.

```
.text, #text, p{  
    color:rgb(123, 224, 206)  
}
```

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(123, 224, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 224, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 33.841, 180.639 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(123, 224, 206) }
```

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

```
.border{ border-color:rgb(123, 224, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 224, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 224, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 224, 206);  
box-shadow:4px 4px 4px 4px rgb(123, 224,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 33.841, 180.639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 224, 206) }
```

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

```
.background{ background-color: rgb(123,  
224, 206) }
```

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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