

Converting Colors

CIELCh(83, 22.226, 179.543)

Have a look what the booklet for
CIELCh(83, 22.226, 179.543)
contains.

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Color

CIElCh(83, 22.370, 179.870)

Conversions

Conversions Part 1

Format	Color
Hex	9DDBCE
RGB	157, 219, 206
RGB Percent	62%, 86%, 81%
CMY	0.3850, 0.1419, 0.1929
CMYK	0.28, 0.00, 0.06, 0.14
HSL	167°, 46%, 74%
HSV	167°, 28%, 86%
XYZ	50.2706, 62.1629, 67.6245
YIQ	198.9800, -32.7790, -17.1870

Conversions

Conversions Part 2

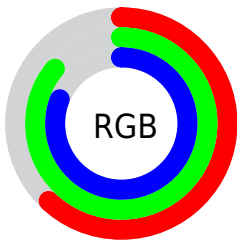
Format	Color
RYB	157, 192, 219
Decimal	10345422
CIELab	83.00, -22.37, 0.05
CIELCh	83, 22.370, 179.870
Yxy	62.1629, 0.2792, 0.3452
Android (android.graphics.Color)	4288535502 (0xFF9DDBCE)
YUV	198.9800, 3.4609, -36.8165
Hunter-Lab	78.8435, -24.1645, 4.3371

Details

The CIELCh color **83, 22.370, 179.870** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **71, 25.075, 5.634**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 14.050, 198.569**, and **63, 22.276, 179.847** is the 20% darker color. If you saturate the color by 10%, you get **82, 29.491, 178.804**, and if you desaturate by 10%, it is **84, 14.765, 180.870**.

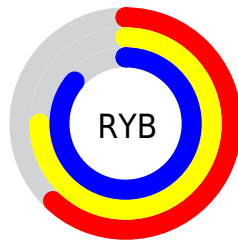
Distribution



Red (62%)

Green (86%)

Blue (81%)



Red (62%)

Yellow (75%)

Blue (86%)

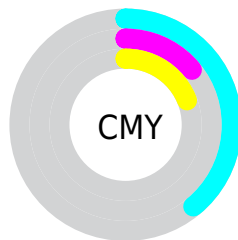


Cyan (28%)

Magenta (0%)

Yellow (6%)

Black (14%)



Cyan (39%)


Magenta (14%)


Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 22.370, 179.870 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, 22.370, 179.870 by changing the saturation by 10% instead.


 83, 22.370,
179.870


 83, 22.370,
179.870


 100, 22.370,
179.870


 73, 22.370,
179.870

 63, 22.370,
179.870

 53, 22.370,
179.870

 43, 22.370,
179.870

 33, 22.370,
179.870

 23, 22.370,
179.870

 13, 22.370,

179.870

■ 3, 22.370, 179.870

■ 0, 22.370, 179.870

■ 83, 22.370,
179.870

■ 83, 22.370,
179.870

■ 82, 29.491,
178.804

■ 84, 14.765,
180.870

■ 81, 35.984,
177.658

■ 86, 6.807, 181.848

■ 88, 1.382, 2.265

■ 80, 41.722,
176.410

■ 90, 9.695, 3.454

■ 79, 46.601,
175.035

■ 91, 14.113,
359.107

■ 79, 50.563,

173.509

91, 15.066,
350.621

78, 53.619,
171.813

91, 16.319,
343.316

78, 55.892,
169.955

91, 17.809,
337.171

78, 56.244,
169.646

91, 19.479,
332.058

Harmonies

Complementary

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



83, 22.370, 179.870



71, 25.075, 5.634

Rectangle

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



83, 22.370, 179.870



83, 22.370, 229.870



83, 22.370, 359.870



83, 22.370, 49.870

Sweetspot

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



83, 22.371, 179.867



98, 7.401, 181.874



83, 37.316, 136.856



52, 5.251, 181.723



0, 0.000, 0.000



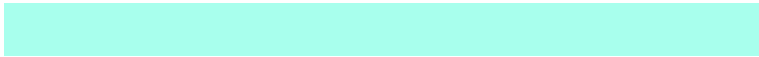
53, 0.007, 296.813

Same Dimension

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



83, 22.371, 179.867



94, 29.951, 179.242



79, 17.111, 232.026



45, 4.640, 181.738



63, 47.082, 169.971



16, 18.068, 173.691

Inverse Universe

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



71, 25.075, 5.634



78, 34.467, 6.528



75, 20.394, 48.015



43, 4.811, 3.337



36, 68.999, 28.435



5, 23.751, 11.205

Previews

White Background



This preview shows how the CIE LCh color 83, 22.370, 179.870 looks on a white background.

Color Contrast Check

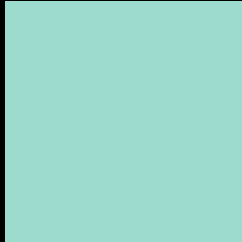
Large Text (above 18pt) WCAG AA × Fail

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, 22.370, 179.870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

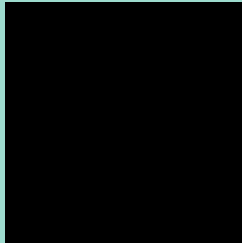
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

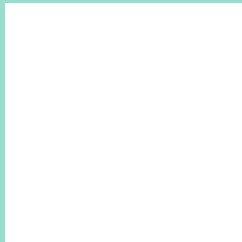
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 22.370, 179.870

Background



This preview shows how black text looks on a background with the CIELCh color 83, 22.370, 179.870.

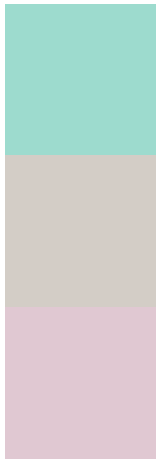


This preview shows how white text looks on a background with the CIELCh color 83, 22.370, 179.870.

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
83, 22.370, 179.870

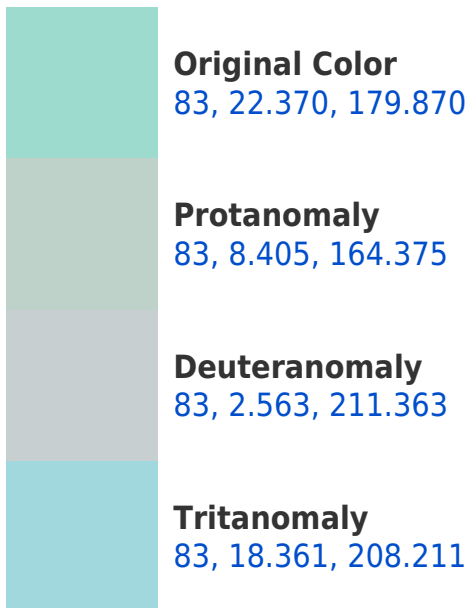
Protanopia
83, 4.289, 78.620

Deuteranopia
83, 10.280, 349.326

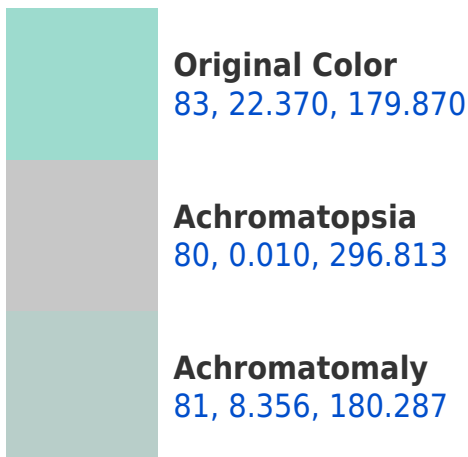


Tritanopia
83, 18.811, 227.120

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 22.370, 179.870 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(157, 219, 206)` looks like.

```
.text, #text, p{  
    color:rgb(157, 219, 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(157, 219, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 219, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 22.370, 179.870 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(157, 219, 206) }
```

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

```
.border{ border-color:rgb(157, 219, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 219, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 219, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 219, 206);  
box-shadow:4px 4px 4px 4px rgb(157, 219,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 22.370, 179.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 219, 206) }
```

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

```
.background{ background-color: rgb(157,  
219, 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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