

Converting Colors

CIELCh(83, 24.491, 177.386)

Have a look what the booklet for
CIELCh(83, 24.491, 177.386)
contains.

CIELCh(83, 24.478, 177.400)	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, 24.478, 177.400)

Conversions

Conversions Part 1

Format	Color
Hex	99DCCC
RGB	153, 220, 204
RGB Percent	60%, 86%, 80%
CMY	0.4009, 0.1382, 0.2009
CMYK	0.30, 0.00, 0.07, 0.14
HSL	166°, 49%, 73%
HSV	166°, 30%, 86%
XYZ	49.4978, 62.1629, 66.3725
YIQ	198.1430, -34.7960, -19.1800

Conversions

Conversions Part 2

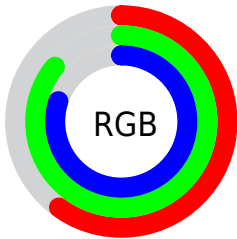
Format	Color
RYB	153, 191, 220
Decimal	10083532
CIELab	83.00, -24.45, 1.11
CIELCh	83, 24.478, 177.400
Yxy	62.1629, 0.2780, 0.3492
Android (android.graphics.Color)	4288273612 (0xFF99DCCC)
YUV	198.1430, 2.8875, -39.5904
Hunter-Lab	78.8435, -25.9142, 5.2786

Details

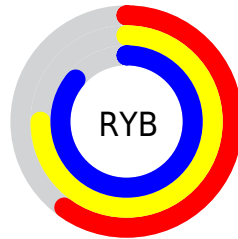
The CIELCh color **83, 24.478, 177.400** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **70, 27.391, 3.781**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 15.314, 198.486**, and **63, 24.690, 177.316** is the 20% darker color. If you saturate the color by 10%, you get **82, 31.698, 176.276**, and if you desaturate by 10%, it is **84, 16.767, 178.443**.

Distribution



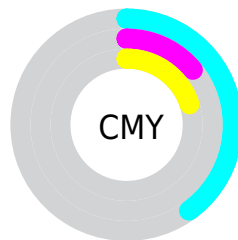
- Red (60%)
- Green (86%)
- Blue (80%)



- Red (60%)
- Yellow (75%)
- Blue (86%)



- Cyan (30%)
- Magenta (0%)
- Yellow (7%)
- Black (14%)



- Cyan (40%)
- Magenta (14%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 24.478, 177.400 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, 24.478, 177.400 by changing the saturation by 10% instead.

 83, 24.478,
177.400


 83, 24.478,
177.400

 100, 24.478,
177.400

 73, 24.478,
177.400

 63, 24.478,
177.400

 53, 24.478,
177.400

 43, 24.478,
177.400

 33, 24.478,
177.400

 23, 24.478,
177.400

 13, 24.478,

177.400

■ 3, 24.478, 177.400

■ 0, 24.478, 177.400

■ 83, 24.478,
177.400

■ 83, 24.478,
177.400

■ 82, 31.698,
176.276

■ 84, 16.767,
178.443

■ 81, 38.281,
175.057

■ 86, 8.699, 179.441

■ 88, 0.401, 181.628

■ 80, 44.101,
173.716

■ 89, 8.020, 1.097

■ 79, 49.056,
172.230

■ 91, 13.829,
357.936

■ 79, 53.099,

170.574

91, 15.001,
348.261

79, 56.251,
168.732

91, 16.548,
340.225

78, 58.603,
166.847

91, 18.376,
333.713

91, 20.407,
328.480

Harmonies

Complementary

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



83, 24.478, 177.400



70, 27.391, 3.781

Rectangle

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



83, 24.478, 177.400



83, 24.478, 227.400



83, 24.478, 357.400



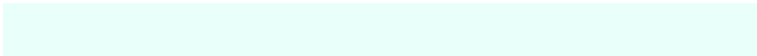
83, 24.478, 47.400

Sweetspot

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



83, 24.479, 177.398



98, 8.437, 179.582



83, 39.863, 135.764



52, 5.854, 179.435



0, 0.000, 0.000



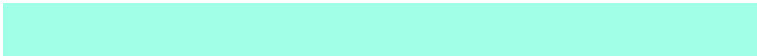
53, 0.007, 296.813

Same Dimension

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



83, 24.479, 177.398



94, 32.970, 176.642



79, 18.399, 227.687



45, 4.707, 179.547



63, 48.863, 167.197



16, 18.624, 171.171

Inverse Universe

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



70, 27.391, 3.781



76, 37.913, 4.849



74, 22.498, 44.371



43, 4.866, 1.173



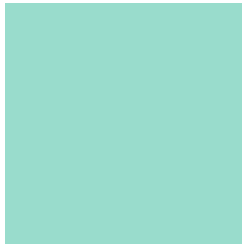
36, 67.765, 26.112



5, 23.783, 9.929

Previews

White Background



This preview shows how the CIELCh color 83, 24.478, 177.400 looks on a white background.

Color Contrast Check

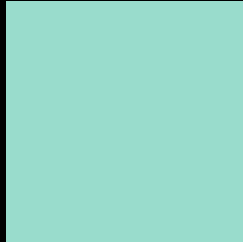
Large Text (above 18pt) WCAG AA × Fail

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, 24.478, 177.400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

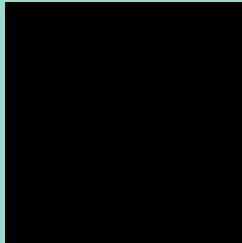
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

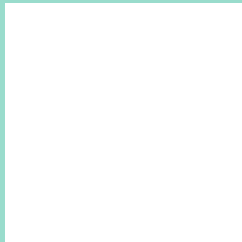
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 24.478, 177.400

Background



This preview shows how black text looks on a background with the CIELCh color 83, 24.478, 177.400.

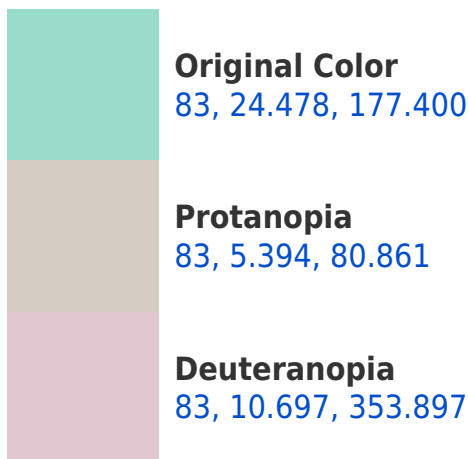


This preview shows how white text looks on a background with the CIELCh color 83, 24.478, 177.400.

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



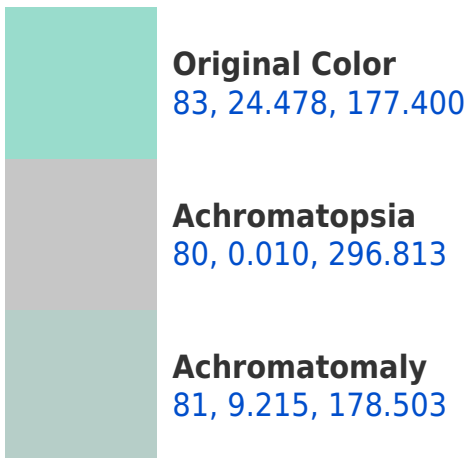


Tritanopia
83, 20.028, 226.905

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 24.478, 177.400 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(153, 220, 204)` looks like.

```
.text, #text, p{  
    color:rgb(153, 220, 204)  
}
```

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(153, 220, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 220, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 24.478, 177.400 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(153, 220, 204) }
```

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

```
.border{ border-color:rgb(153, 220, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 220, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 220, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 220, 204);  
box-shadow:4px 4px 4px 4px rgb(153, 220,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 24.478, 177.400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 220, 204) }
```

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

```
.background{ background-color: rgb(153,  
220, 204) }
```

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