

Converting Colors

CIELCh(83, 24.530, 178.748)

Have a look what the booklet for
CIELCh(83, 24.530, 178.748)
contains.

CIELCh(83, 24.530, 178.748)	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, 24.530, 178.748)

Conversions

Conversions Part 1

Format	Color
Hex	98DCCD
RGB	152, 220, 205
RGB Percent	60%, 86%, 80%
CMY	0.4045, 0.1379, 0.1967
CMYK	0.31, 0.00, 0.07, 0.14
HSL	167°, 49%, 73%
HSV	167°, 31%, 86%
XYZ	49.4714, 62.1629, 67.0493
YIQ	197.9580, -35.7130, -19.0810

Conversions

Conversions Part 2

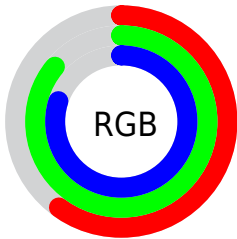
Format	Color
R _Y B	152, 190, 220
Decimal	10017997
CIE Lab	83.00, -24.52, 0.54
CIE LCh	83, 24.530, 178.748
Yxy	62.1629, 0.2769, 0.3479
Android (android.graphics.Color)	4288208077 (0xFF98DCCD)
YUV	197.9580, 3.4717, -40.3052
Hunter-Lab	78.8435, -25.9738, 4.7696

Details

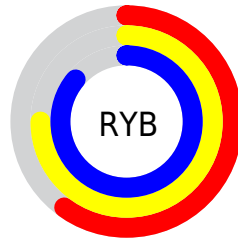
The CIELCh color **83, 24.530, 178.748** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **70, 27.693, 5.197**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 15.627, 198.466**, and **63, 24.706, 178.697** is the 20% darker color. If you saturate the color by 10%, you get **82, 31.601, 177.645**, and if you desaturate by 10%, it is **84, 16.946, 179.775**.

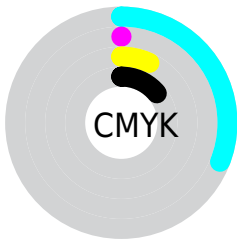
Distribution



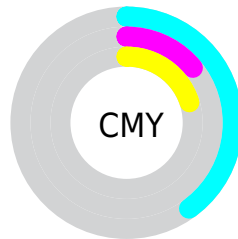
- Red (60%)
- Green (86%)
- Blue (80%)



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



- Cyan (31%)
- Magenta (0%)
- Yellow (7%)
- Black (14%)



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

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 24.530, 178.748 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, 24.530, 178.748 by changing the saturation by 10% instead.


 83, 24.530,
178.748


 83, 24.530,
178.748


 100, 24.530,
178.748


 73, 24.530,
178.748

 63, 24.530,
178.748

 53, 24.530,
178.748

 43, 24.530,
178.748

 33, 24.530,
178.748

 23, 24.530,
178.748

 13, 24.530,

178.748

■ 3, 24.530, 178.748

■ 0, 24.530, 178.748

■ 83, 24.530,
178.748

■ 83, 24.530,
178.748

■ 82, 31.601,
177.645

■ 84, 16.946,
179.775

■ 81, 38.015,
176.453

■ 86, 8.982, 180.761

■ 80, 43.647,
175.147

■ 88, 0.768, 182.313

■ 89, 7.589, 2.403

■ 79, 48.402,
173.702

■ 91, 13.632,
359.901

■ 79, 52.236,

172.095

91, 14.625,
350.615

79, 55.179,
170.309

91, 15.963,
342.725

78, 57.249,
168.570

91, 17.565,
336.197

91, 19.366,
330.857

Harmonies

Complementary

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



83, 24.530, 178.748



70, 27.693, 5.197

Rectangle

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



83, 24.530, 178.748



83, 24.530, 228.748



83, 24.530, 358.748



83, 24.530, 48.748

Sweetspot

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



83, 24.531, 178.745



98, 8.361, 180.945



83, 40.661, 136.221



52, 5.800, 180.800



0, 0.000, 0.000



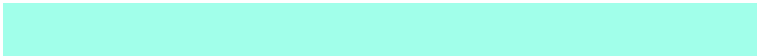
53, 0.007, 296.813

Same Dimension

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



83, 24.531, 178.745



94, 32.560, 178.053



78, 18.607, 230.041



45, 4.664, 180.910



63, 47.741, 168.909



16, 18.273, 172.730

Inverse Universe

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



70, 27.693, 5.197



76, 37.774, 6.207



74, 22.717, 46.129



43, 4.831, 2.520



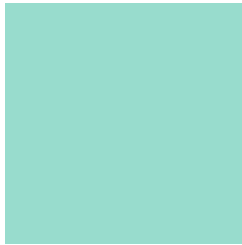
36, 68.525, 27.582



5, 23.762, 10.735

Previews

White Background



This preview shows how the CIELCh color 83, 24.530, 178.748 looks on a white background.

Color Contrast Check

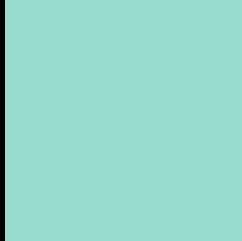
Large Text (above 18pt) WCAG AA × Fail

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, 24.530, 178.748 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

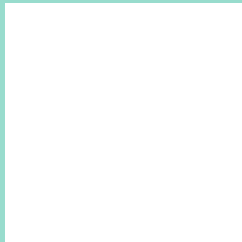
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 24.530, 178.748

Background



This preview shows how black text looks on a background with the CIELCh color 83, 24.530, 178.748.

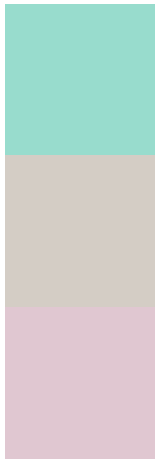


This preview shows how white text looks on a background with the CIELCh color 83, 24.530, 178.748.

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, 24.530, 178.748

Protanopia
83, 4.935, 77.991

Deuteranopia
83, 10.608, 350.397



Tritanopia
83, 20.347, 224.668

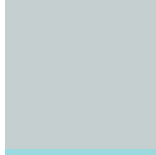
Trichromacy



Original Color
83, 24.530, 178.748



Protanomaly
82, 9.016, 162.902



Deuteranomaly
82, 3.233, 199.340

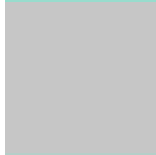


Tritanomaly
83, 20.101, 207.220

Monochromacy



Original Color
83, 24.530, 178.748



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 9.543, 179.193

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 24.530, 178.748 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(152, 220, 205)` looks like.

```
.text, #text, p{  
    color:rgb(152, 220, 205)  
}
```

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(152, 220, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 220, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 24.530, 178.748 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(152, 220, 205) }
```

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

```
.border{ border-color:rgb(152, 220, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 220, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 220, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 220, 205);  
box-shadow:4px 4px 4px 4px rgb(152, 220,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 24.530, 178.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 220, 205) }
```

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

```
.background{ background-color: rgb(152,  
220, 205) }
```

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