

Converting Colors

CIELCh(83, 25.397, 197.692)

Have a look what the booklet for
CIELCh(83, 25.397, 197.692)
contains.

CIELCh(83, 25.317, 197.673)	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, 25.317, 197.673)

Conversions

Conversions Part 1

Format	Color
Hex	8DDCDC
RGB	141, 220, 220
RGB Percent	55%, 86%, 86%
CMY	0.4462, 0.1364, 0.1364
CMYK	0.36, 0.00, 0.00, 0.14
HSL	180°, 53%, 71%
HSV	180°, 36%, 86%
XYZ	49.6199, 62.1629, 77.2459
YIQ	196.3790, -47.0840, -16.7480

Conversions

Conversions Part 2

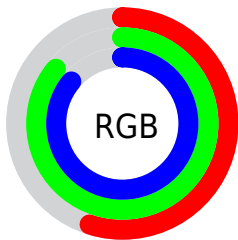
Format	Color
RYB	141, 181, 220
Decimal	9297116
CIELab	83.00, -24.12, -7.69
CIELCh	83, 25.317, 197.673
Yxy	62.1629, 0.2625, 0.3289
Android (android.graphics.Color)	4287487196 (0xFF8DDCDC)
YUV	196.3790, 11.6452, -48.5674
Hunter-Lab	78.8435, -25.6376, -2.8982

Details

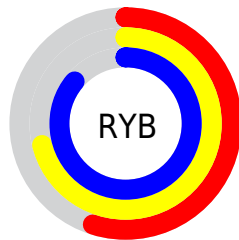
The CIELCh color **83, 25.317, 197.673** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **67, 32.548, 22.695**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 18.709, 198.269**, and **63, 25.325, 197.264** is the 20% darker color. If you saturate the color by 10%, you get **82, 30.862, 197.296**, and if you desaturate by 10%, it is **84, 19.005, 198.106**.

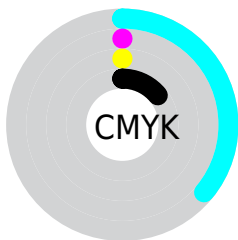
Distribution



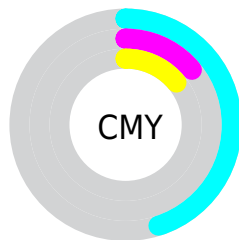
- Red (55%)
- Green (86%)
- Blue (86%)



- Red (55%)
- Yellow (71%)
- Blue (86%)



- Cyan (36%)
- Magenta (0%)
- Yellow (0%)
- Black (14%)





- Cyan (45%)
- Magenta (14%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 25.317, 197.673 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, 25.317, 197.673 by changing the saturation by 10% instead.


 83, 25.317,
197.673


 83, 25.317,
197.673


 100, 25.317,
197.673


 73, 25.317,
197.673

 63, 25.317,
197.673

 53, 25.317,
197.673

 43, 25.317,
197.673

 33, 25.317,
197.673

 23, 25.317,
197.673

 13, 25.317,

197.673

■ 3, 25.317, 197.673

■ 0, 25.317, 197.673

■ 83, 25.317,
197.673

■ 83, 25.317,
197.673

■ 82, 30.862,
197.296

■ 84, 19.005,
198.106

■ 81, 35.531,
196.986

■ 85, 12.049,
198.603

■ 81, 39.246,
196.743

■ 87, 4.578, 199.207

■ 80, 41.973,
196.566

■ 89, 3.286, 19.456

■ 90, 11.434, 20.171

■ 80, 43.738,

196.452

91, 12.812, 20.275

80, 44.637,
196.394

91, 12.812, 20.273

80, 44.863,
196.379

91, 12.812, 20.270

91, 12.812, 20.268

Harmonies

Complementary

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



83, 25.317, 197.673



67, 32.548, 22.695

Rectangle

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



83, 25.317, 197.673



83, 25.317, 247.673



83, 25.317, 17.673



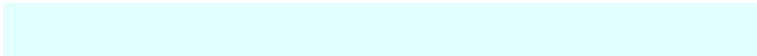
83, 25.317, 67.673

Sweetspot

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



83, 25.317, 197.670



98, 9.531, 198.869



81, 50.441, 141.425



52, 6.380, 198.790



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, 25.317, 197.670



94, 33.003, 197.384



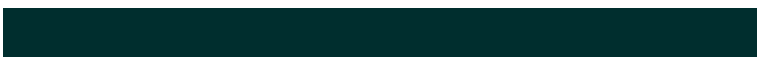
72, 23.961, 259.499



45, 4.371, 198.968



64, 37.533, 196.379



16, 15.074, 196.380

Inverse Universe

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



67, 32.548, 22.695



72, 45.059, 23.883



76, 26.810, 69.215



43, 4.639, 19.927



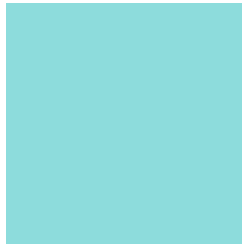
36, 78.233, 39.926



5, 23.840, 20.267

Previews

White Background



This preview shows how the CIELCh color 83, 25.317, 197.673 looks on a white background.

Color Contrast Check

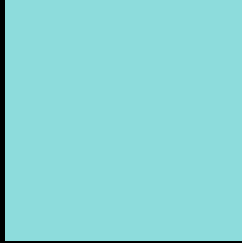
Large Text (above 18pt) WCAG AA × Fail

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, 25.317, 197.673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

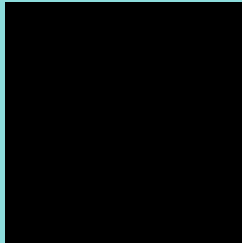
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

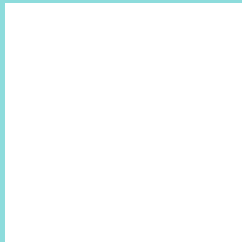
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 25.317, 197.673

Background



This preview shows how black text looks on a background with the CIELCh color 83, 25.317, 197.673.

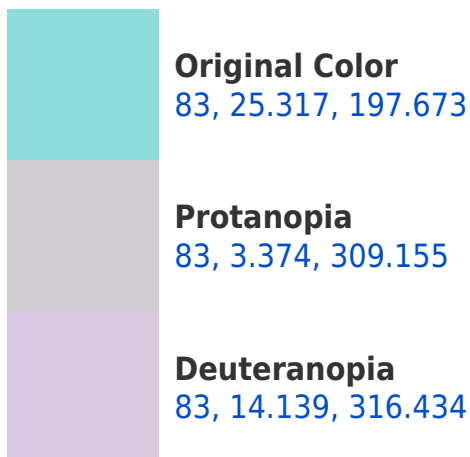


This preview shows how white text looks on a background with the CIELCh color 83, 25.317, 197.673.

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



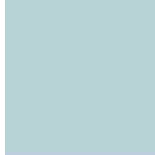


Tritanopia
83, 24.109, 220.058

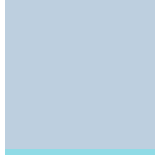
Trichromacy



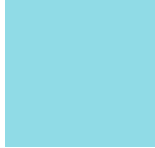
Original Color
83, 25.317, 197.673



Protanomaly
83, 9.499, 208.452



Deuteranomaly
82, 10.362, 254.242

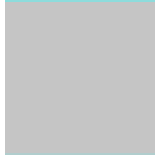


Tritanomaly
83, 24.093, 211.956

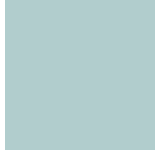
Monochromacy



Original Color
83, 25.317, 197.673



Achromatopsia
80, 0.010, 296.813



Achromatomaly
80, 9.845, 198.731

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 25.317, 197.673 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(141, 220, 220)` looks like.

```
.text, #text, p{  
    color:rgb(141, 220, 220)  
}
```

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(141, 220, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 220, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 25.317, 197.673 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(141, 220, 220) }
```

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

```
.border{ border-color:rgb(141, 220, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 220, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 220, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 220, 220);  
box-shadow:4px 4px 4px 4px rgb(141, 220,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 25.317, 197.673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 220, 220) }
```

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

```
.background{ background-color: rgb(141,  
220, 220) }
```

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