

Converting Colors

CIELCh(83, 46.024, 196.010)

Have a look what the booklet for
CIELCh(83, 46.024, 196.010)
contains.

CIELCh(83, 46.132, 195.730)	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, 46.132, 195.730)

Conversions

Conversions Part 1

Format	Color
Hex	0DE6E5
RGB	13, 230, 229
RGB Percent	5%, 90%, 90%
CMY	0.9471, 0.0992, 0.1031
CMYK	0.94, 0.00, 0.00, 0.10
HSL	180°, 89%, 48%
HSV	180°, 94%, 90%
XYZ	42.4922, 62.1629, 83.6796
YIQ	165.0030, -129.0110, -46.3150

Conversions

Conversions Part 2

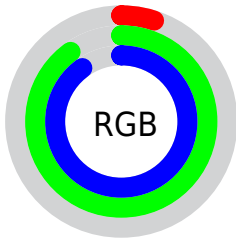
Format	Color
RYB	13, 122, 230
Decimal	911077
CIELab	83.00, -44.40, -12.51
CIELCh	83, 46.132, 195.730
Yxy	62.1629, 0.2256, 0.3301
Android (android.graphics.Color)	4279101157 (0xFF0DE6E5)
YUV	165.0030, 31.5505, -133.3066
Hunter-Lab	78.8435, -41.7748, -7.7363

Details

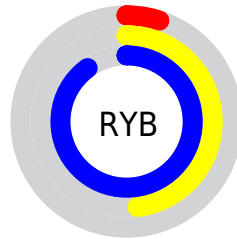
The CIELCh color **83, 46.132, 195.730** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **48, 93.386, 38.541**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.257, 197.016**, and **64, 37.628, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **83, 46.466, 195.671**, and if you desaturate by 10%, it is **83, 45.055, 195.853**.

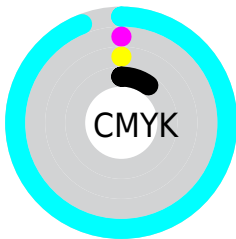
Distribution



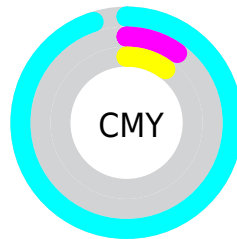
- Red (5%)
- Green (90%)
- Blue (90%)



- Red (5%)
- Yellow (48%)
- Blue (90%)



- Cyan (94%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)





- Cyan (95%)
- Magenta (10%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 46.132, 195.730 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, 46.132, 195.730 by changing the saturation by 10% instead.


 83, 46.132,
195.730


 83, 46.132,
195.730


 100, 46.132,
195.730


 73, 46.132,
195.730

 63, 46.132,
195.730

 53, 46.132,
195.730

 43, 46.132,
195.730

 33, 46.132,
195.730

 23, 46.132,
195.730

 13, 46.132,

195.730

■ 3, 46.132, 195.730

■ 0, 46.132, 195.730

■ 83, 46.132,
195.730

■ 83, 46.132,
195.730

■ 83, 46.466,
195.671

■ 83, 45.055,
195.853

■ 83, 43.058,
196.025

■ 84, 40.053,
196.255

■ 85, 36.027,
196.544

■ 85, 31.022,

196.894

■ 86, 25.128,
197.303

■ 88, 18.461,
197.770

■ 89, 11.154,
198.297

■ 90, 3.340, 198.970

Harmonies

Complementary

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



83, 46.132, 195.730



48, 93.386, 38.541

Rectangle

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



83, 46.132, 195.730



83, 46.132, 245.730



83, 46.132, 15.730



83, 46.132, 65.730

Sweetspot

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



83, 46.131, 195.729



96, 22.982, 197.575



80, 109.297, 136.131



50, 15.597, 197.375



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, 46.131, 195.729



91, 50.284, 195.667



52, 61.610, 280.379



47, 4.538, 198.573



66, 38.473, 195.683



18, 16.136, 195.791

Inverse Universe

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



48, 93.386, 38.541



53, 104.390, 39.872



61, 76.682, 60.280



45, 4.816, 19.562



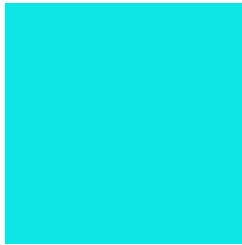
37, 79.777, 39.784



6, 27.089, 21.568

Previews

White Background



This preview shows how the CIE LCh color 83, 46.132, 195.730 looks on a white background.

Color Contrast Check

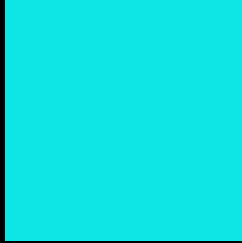
Large Text (above 18pt) WCAG AA × Fail

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, 46.132, 195.730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

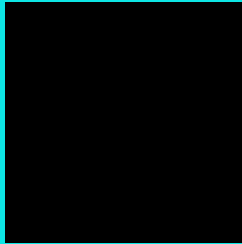
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 46.132, 195.730

Background



This preview shows how black text looks on a background with the CIELCh color 83, 46.132, 195.730.

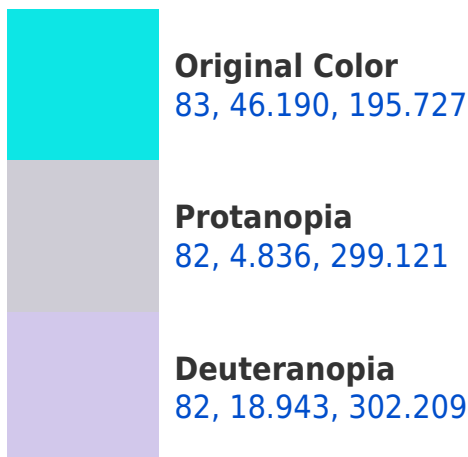


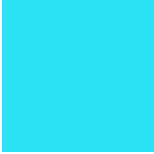
This preview shows how white text looks on a background with the CIELCh color 83, 46.132, 195.730.

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



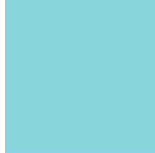


Tritanopia
83, 42.469, 210.655

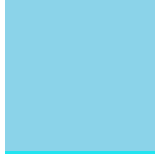
Trichromacy



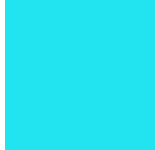
Original Color
83, 46.190, 195.727



Protanomaly
81, 24.536, 205.275



Deuteranomaly
81, 24.645, 226.633

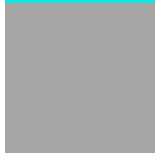


Tritanomaly
83, 43.627, 205.109

Monochromacy



Original Color
83, 46.190, 195.727



Achromatopsia
68, 0.008, 296.813



Achromatomaly
72, 25.494, 196.211

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 46.132, 195.730 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(13, 230, 229)` looks like.

```
.text, #text, p{  
    color:rgb(13, 230, 229)  
}
```

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(13, 230, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 230, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 46.132, 195.730 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(13, 230, 229) }
```

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

```
.border{ border-color:rgb(13, 230, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 230, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 230, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 230, 229);  
box-shadow:4px 4px 4px 4px rgb(13, 230,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 46.132, 195.730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 230, 229) }
```

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

```
.background{ background-color: rgb(13, 230,  
229) }
```

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