

Converting Colors

CIELCh(83, 37.841, 197.098)

Have a look what the booklet for
CIELCh(83, 37.841, 197.098)
contains.

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Color

CIElCh(83, 37.846, 196.887)

Conversions

Conversions Part 1

Format	Color
Hex	5BE2E2
RGB	91, 226, 226
RGB Percent	36%, 89%, 89%
CMY	0.6427, 0.1134, 0.1134
CMYK	0.60, 0.00, 0.00, 0.11
HSL	180°, 70%, 62%
HSV	180°, 60%, 89%
XYZ	45.2820, 62.1629, 81.6236
YIQ	185.6350, -80.4600, -28.6200

Conversions

Conversions Part 2

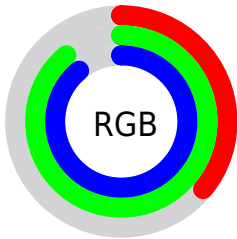
Format	Color
R_{YB}	91, 159, 226
Decimal	6021858
CIE _{Lab}	83.00, -36.21, -10.99
CIE _{LCh}	83, 37.846, 196.887
Yxy	62.1629, 0.2395, 0.3288
Android (android.graphics.Color)	4284211938 (0xFF5BE2E2)
YUV	185.6350, 19.8999, -82.9949
Hunter-Lab	78.8435, -35.4587, -6.1902

Details

The CIELCh color **83, 37.846, 196.887** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **57, 59.277, 27.487**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 30.907, 197.515**, and **63, 36.838, 197.287** is the 20% darker color. If you saturate the color by 10%, you get **82, 41.245, 196.668**, and if you desaturate by 10%, it is **84, 33.451, 197.170**.

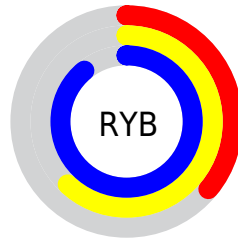
Distribution



Red (36%)

Green (89%)

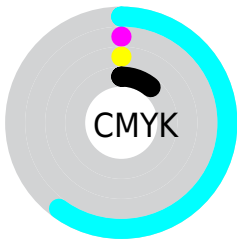
Blue (89%)



Red (36%)

Yellow (62%)

Blue (89%)

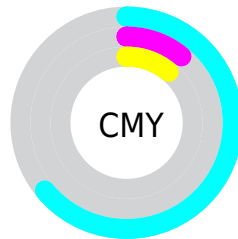


Cyan (60%)

Magenta (0%)

Yellow (0%)

Black (11%)



Cyan (64%)


Magenta (11%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 37.846, 196.887 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, 37.846, 196.887 by changing the saturation by 10% instead.


 83, 37.846,
196.887


 83, 37.846,
196.887


 100, 37.846,
196.887


 73, 37.846,
196.887

 63, 37.846,
196.887

 53, 37.846,
196.887

 43, 37.846,
196.887

 33, 37.846,
196.887

 23, 37.846,
196.887

 13, 37.846,

196.887

■ 3, 37.846, 196.887

■ 0, 37.846, 196.887

■ 83, 37.846,
196.887

■ 83, 37.846,
196.887

■ 82, 41.245,
196.668

■ 84, 33.451,
197.170

■ 82, 43.636,
196.517

■ 85, 28.124,
197.520

■ 82, 45.072,
196.427

■ 86, 21.965,
197.932

■ 82, 45.743,
196.384

■ 87, 15.098,
198.406

■ 82, 45.759,

■ 88, 7.654, 198.953

196.383

■ 90, 0.240, 16.901

■ 92, 8.465, 19.927

■ 92, 10.555, 20.089

■ 92, 10.555, 20.087

Harmonies

Complementary

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



83, 37.846, 196.887



57, 59.277, 27.487

Rectangle

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



83, 37.846, 196.887



83, 37.846, 246.887



83, 37.846, 16.887



83, 37.846, 66.887

Sweetspot

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



83, 37.846, 196.885



97, 15.282, 198.487



80, 82.372, 138.950



51, 10.520, 198.339



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, 37.846, 196.885



92, 46.009, 196.620



64, 39.687, 266.074



46, 4.454, 198.969



65, 37.940, 196.383



17, 15.585, 196.384

Inverse Universe

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



57, 59.277, 27.487



58, 80.235, 31.402



70, 48.216, 66.249



44, 4.728, 19.932



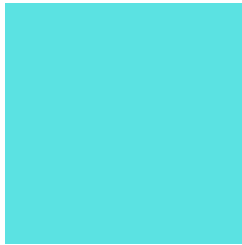
36, 79.113, 39.952



6, 25.541, 20.938

Previews

White Background



This preview shows how the CIELCh color 83, 37.846, 196.887 looks on a white background.

Color Contrast Check

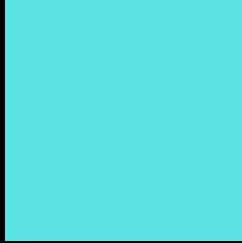
Large Text (above 18pt) WCAG AA × Fail

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, 37.846, 196.887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

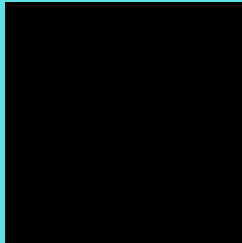
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 37.846, 196.887

Background



This preview shows how black text looks on a background with the CIELCh color 83, 37.846, 196.887.

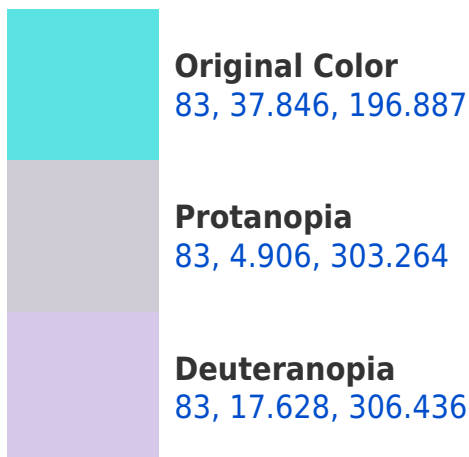


This preview shows how white text looks on a background with the CIELCh color 83, 37.846, 196.887.

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, 35.396, 213.002

Trichromacy



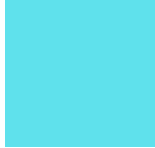
Original Color
83, 37.846, 196.887



Protanomaly
82, 15.999, 209.885



Deuteranomaly
82, 16.923, 240.107

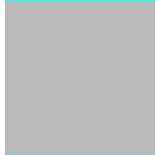


Tritanomaly
83, 36.127, 206.455

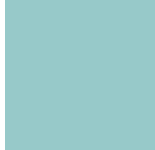
Monochromacy



Original Color
83, 37.846, 196.887



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 17.034, 198.164

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 37.846, 196.887 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(91, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(91, 226, 226)  
}
```

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(91, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 226, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 37.846, 196.887 is called "border". The border property can be set on classes, ids or directly on the HTML element.

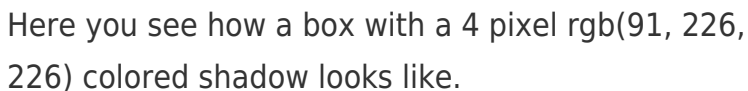
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(91, 226, 226) }
```

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

```
.border{ border-color:rgb(91, 226, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(91, 226, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(91, 226, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(91, 226, 226); box-shadow:4px 4px 4px 4px rgb(91, 226, 226) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 37.846, 196.887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 226, 226) }
```

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

```
.background{ background-color: rgb(91, 226,  
226) }
```

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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