

Converting Colors

CIELCh(83, 48.106, 190.750)

Have a look what the booklet for
CIELCh(83, 48.106, 190.750)
contains.

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Color

CIELCh(83, 48.016, 190.502)

Conversions

Conversions Part 1

Format	Color
Hex	00E7DE
RGB	0, 231, 222
RGB Percent	0%, 91%, 87%
CMY	1.0000, 0.0957, 0.1309
CMYK	1.00, 0.00, 0.04, 0.10
HSL	178°, 100%, 45%
HSV	178°, 100%, 90%
XYZ	41.5630, 62.1629, 78.6392
YIQ	160.9050, -134.7870, -51.7710

Conversions

Conversions Part 2

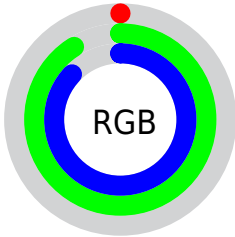
Format	Color
RYB	0, 118, 231
Decimal	59358
CIELab	83.00, -47.21, -8.75
CIELCh	83, 48.016, 190.502
Yxy	62.1629, 0.2279, 0.3409
Android (android.graphics.Color)	4278249438 (0xFF00E7DE)
YUV	160.9050, 30.1198, -141.1137
Hunter-Lab	78.8435, -43.8784, -3.9459

Details

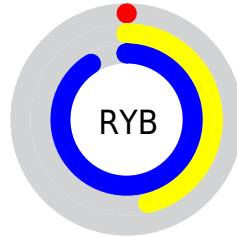
The CIELCh color **83, 48.016, 190.502** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **48, 95.358, 38.806**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.818, 196.983**, and **64, 38.868, 190.425** is the 20% darker color. If you saturate the color by 10%, you get **83, 47.954, 190.497**, and if you desaturate by 10%, it is **83, 47.111, 191.038**.

Distribution



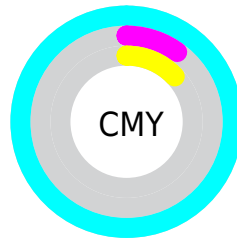
- Red (0%)
- Green (91%)
- Blue (87%)



- Red (0%)
- Yellow (46%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (10%)




- Cyan (100%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 48.016, 190.502 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, 48.016, 190.502 by changing the saturation by 10% instead.


 83, 48.016,
190.502

 83, 48.016,
190.502


 100, 48.016,
190.502


 73, 48.016,
190.502

 63, 48.016,
190.502

 53, 48.016,
190.502

 43, 48.016,
190.502

 33, 48.016,
190.502

 23, 48.016,
190.502

 13, 48.016,

190.502

■ 3, 48.016, 190.502

■ 0, 48.016, 190.502

■ 83, 48.016,
190.502

■ 83, 48.016,
190.502

■ 83, 47.954,
190.497

■ 83, 47.111,
191.038

■ 83, 45.492,
191.565

■ 84, 42.898,
192.085

■ 84, 39.280,
192.612

■ 85, 34.660,

193.153

■ 86, 29.108,
193.717

■ 87, 22.733,
194.306

■ 88, 15.667,
194.925

■ 90, 8.045, 195.591

Harmonies

Complementary

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



83, 48.016, 190.502



48, 95.358, 38.806

Rectangle

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



83, 48.016, 190.502



83, 48.016, 240.502



83, 48.016, 10.502



83, 48.016, 60.502

Sweetspot

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



83, 47.954, 190.497



95, 24.650, 194.296



80, 110.764, 135.858



50, 16.546, 194.043



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, 47.954, 190.497



91, 51.754, 190.466



53, 61.267, 279.445



47, 4.557, 195.630



66, 39.570, 190.591



18, 16.517, 191.461

Inverse Universe

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



48, 95.358, 38.806



53, 103.084, 38.945



59, 81.132, 56.083



45, 4.818, 16.779



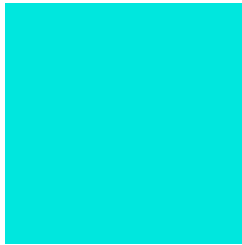
37, 78.290, 38.378



6, 26.978, 20.152

Previews

White Background



This preview shows how the CIE LCh color 83, 48.016, 190.502 looks on a white background.

Color Contrast Check

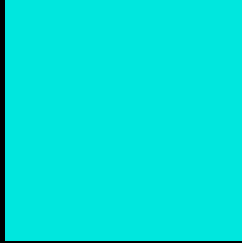
Large Text (above 18pt) WCAG AA × Fail

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, 48.016, 190.502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

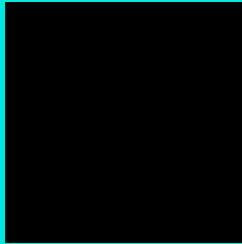
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

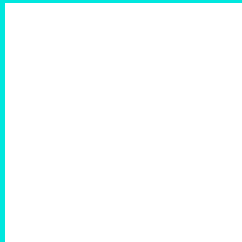
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 48.016, 190.502

Background



This preview shows how black text looks on a background with the CIELCh color 83, 48.016, 190.502.



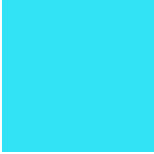
This preview shows how white text looks on a background with the CIELCh color 83, 48.016, 190.502.

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, 42.102, 210.036

Trichromacy



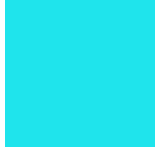
Original Color
83, 48.016, 190.502



Protanomaly
81, 26.325, 195.220



Deuteranomaly
80, 24.401, 217.151

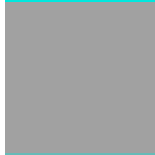


Tritanomaly
83, 44.055, 202.153

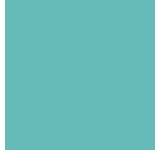
Monochromacy



Original Color
83, 48.016, 190.502



Achromatopsia
66, 0.008, 296.813



Achromatomaly
70, 26.986, 193.780

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 48.016, 190.502 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(0, 231, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 231, 222)  
}
```

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(0, 231, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 231, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 48.016, 190.502 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(0, 231, 222) }
```

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

```
.border{ border-color:rgb(0, 231, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 231, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 231, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 231, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 231,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 48.016, 190.502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 231, 222) }
```

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

```
.background{ background-color: rgb(0, 231,  
222) }
```

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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