

Converting Colors

CIELCh(82, 56.589, 191.159)

Have a look what the booklet for
CIELCh(82, 56.589, 191.159)
contains.

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Color

CIELCh(83, 47.827, 191.138)

Conversions

Conversions Part 1

Format	Color
Hex	00E7DF
RGB	0, 231, 223
RGB Percent	0%, 91%, 87%
CMY	1.0000, 0.0960, 0.1273
CMYK	1.00, 0.00, 0.03, 0.10
HSL	178°, 100%, 45%
HSV	178°, 100%, 90%
XYZ	41.6568, 62.1629, 79.2812
YIQ	161.0190, -135.1080, -51.4600

Conversions

Conversions Part 2

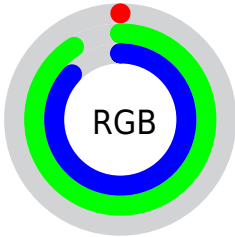
Format	Color
RYB	0, 118, 231
Decimal	59359
CIELab	83.00, -46.93, -9.24
CIELCh	83, 47.827, 191.138
Yxy	62.1629, 0.2275, 0.3395
Android (android.graphics.Color)	4278249439 (0xFF00E7DF)
YUV	161.0190, 30.5566, -141.2137
Hunter-Lab	78.8435, -43.6659, -4.4287

Details

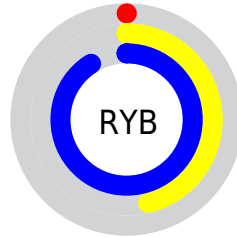
The CIELCh color **83, 47.827, 191.138** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **48, 95.495, 38.934**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.632, 196.994**, and **64, 38.670, 191.253** is the 20% darker color. If you saturate the color by 10%, you get **83, 47.753, 191.134**, and if you desaturate by 10%, it is **83, 46.934, 191.622**.

Distribution



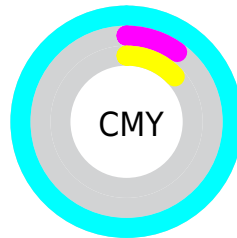
- Red (0%)
- Green (91%)
- Blue (87%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)





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

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 47.827, 191.138 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, 47.827, 191.138 by changing the saturation by 10% instead.

 83, 47.827,
191.138


 83, 47.827,
191.138


 100, 47.827,
191.138


 73, 47.827,
191.138

 63, 47.827,
191.138

 53, 47.827,
191.138

 43, 47.827,
191.138

 33, 47.827,
191.138

 23, 47.827,
191.138

 13, 47.827,

191.138

■ 3, 47.827, 191.138

■ 0, 47.827, 191.138

■ 83, 47.827,
191.138

■ 83, 47.827,
191.138

■ 83, 47.753,
191.134

■ 83, 46.934,
191.622

■ 83, 45.340,
192.103

■ 84, 42.771,
192.584

■ 84, 39.180,
193.078

■ 85, 34.583,

193.592

■ 86, 29.053,
194.133

■ 87, 22.698,
194.704

■ 88, 15.647,
195.308

■ 90, 8.037, 195.961

Harmonies

Complementary

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



83, 47.827, 191.138



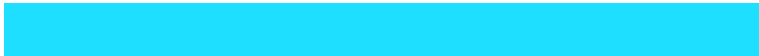
48, 95.495, 38.934

Rectangle

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



83, 47.827, 191.138



83, 47.827, 241.138



83, 47.827, 11.138



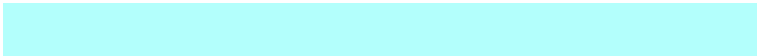
83, 47.827, 61.138

Sweetspot

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



83, 47.753, 191.134



95, 24.619, 194.694



80, 110.735, 135.858



50, 16.523, 194.449



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, 47.753, 191.134



91, 51.550, 191.105



53, 61.250, 279.444



47, 4.554, 196.000



66, 39.417, 191.218



18, 16.464, 191.995

Inverse Universe

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



48, 95.495, 38.934



53, 103.241, 39.059



59, 81.110, 56.084



45, 4.817, 17.129



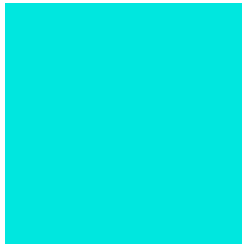
37, 78.467, 38.551



6, 26.991, 20.331

Previews

White Background



This preview shows how the CIE LCh color 83, 47.827, 191.138 looks on a white background.

Color Contrast Check

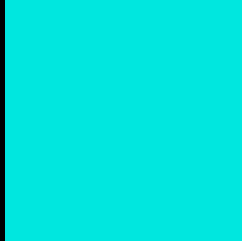
Large Text (above 18pt) WCAG AA × Fail

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, 47.827, 191.138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

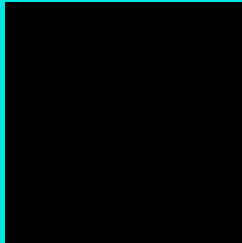
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 47.827, 191.138

Background



This preview shows how black text looks on a background with the CIELCh color 83, 47.827, 191.138.

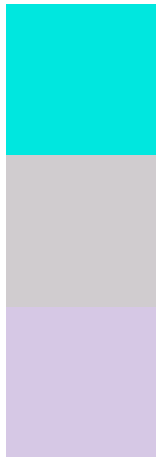


This preview shows how white text looks on a background with the CIELCh color 83, 47.827, 191.138.

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](#).

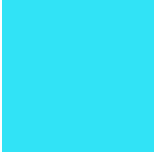
Dichromacy



Original Color
83, 47.827, 191.138

Protanopia
82, 2.172, 332.310

Deuteranopia
83, 16.206, 309.045

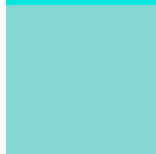


Tritanopia
83, 42.086, 210.806

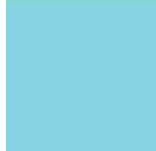
Trichromacy



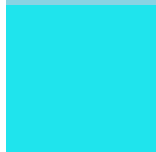
Original Color
83, 47.827, 191.138



Protanomaly
81, 26.227, 196.396

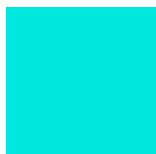


Deuteranomaly
80, 24.501, 218.416

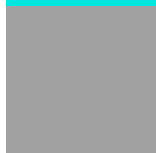


Tritanomaly
83, 43.966, 202.881

Monochromacy



Original Color
83, 47.827, 191.138



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, 47.827, 191.138 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 231, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 231, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 47.827, 191.138 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, 223) }
```

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

```
.border{ border-color:rgb(0, 231, 223) }
```

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, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 231, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 231, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 231,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 47.827, 191.138 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, 223) }
```

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

```
.background{ background-color: rgb(0, 231,  
223) }
```

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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