

Converting Colors

CIELCh(78, 89.161, 193.977)

Have a look what the booklet for
CIELCh(78, 89.161, 193.977)
contains.

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Color

CIELCh(83, 46.213, 197.065)

Conversions

Conversions Part 1

Format	Color
Hex	00E6E7
RGB	0, 230, 231
RGB Percent	0%, 90%, 91%
CMY	1.0000, 0.0992, 0.0953
CMYK	1.00, 0.00, 0.00, 0.10
HSL	180°, 100%, 45%
HSV	180°, 100%, 90%
XYZ	42.5676, 62.1629, 85.1336
YIQ	161.3440, -137.4010, -48.4490

Conversions

Conversions Part 2

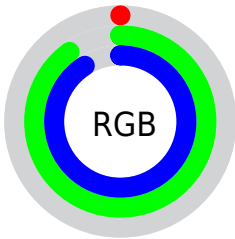
Format	Color
RYB	0, 115, 231
Decimal	59111
CIELab	83.00, -44.18, -13.56
CIELCh	83, 46.213, 197.065
Yxy	62.1629, 0.2242, 0.3274
Android (android.graphics.Color)	4278249191 (0xFF00E6E7)
YUV	161.3440, 34.3404, -141.4987
Hunter-Lab	78.8435, -41.6041, -8.8297

Details

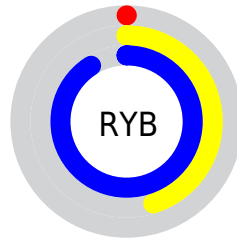
The CIELCh color **83, 46.213, 197.065** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **48, 96.893, 40.035**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.632, 196.994**, and **64, 37.340, 198.155** is the 20% darker color. If you saturate the color by 10%, you get **83, 46.166, 197.067**, and if you desaturate by 10%, it is **83, 45.536, 197.048**.

Distribution



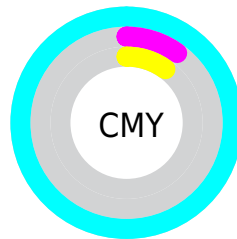
- Red (0%)
- Green (90%)
- Blue (91%)



- Red (0%)
- Yellow (45%)
- Blue (91%)



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





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

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 46.213, 197.065 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, 46.213, 197.065 by changing the saturation by 10% instead.


 83, 46.213,
197.065


 83, 46.213,
197.065


 100, 46.213,
197.065


 73, 46.213,
197.065

 63, 46.213,
197.065

 53, 46.213,
197.065

 43, 46.213,
197.065

 33, 46.213,
197.065

 23, 46.213,
197.065

 13, 46.213,

197.065

■ 3, 46.213, 197.065

■ 0, 46.213, 197.065

■ 83, 46.213,
197.065

■ 83, 46.213,
197.065

■ 83, 46.166,
197.067

■ 83, 45.536,
197.048

■ 83, 44.139,
197.084

■ 84, 41.772,
197.189

■ 84, 38.381,
197.368

■ 85, 33.976,

197.619

■ 86, 28.621,
197.942

■ 87, 22.417,
198.332

■ 88, 15.491,
198.786

■ 90, 7.975, 199.314

Harmonies

Complementary

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



83, 46.213, 197.065



48, 96.893, 40.035

Rectangle

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



83, 46.213, 197.065



83, 46.213, 247.065



83, 46.213, 17.065



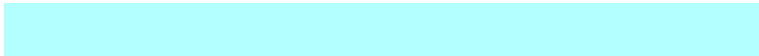
83, 46.213, 67.065

Sweetspot

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



83, 46.166, 197.067



95, 24.298, 198.325



80, 111.042, 136.016



50, 16.290, 198.152



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, 46.166, 197.067



91, 49.797, 197.071



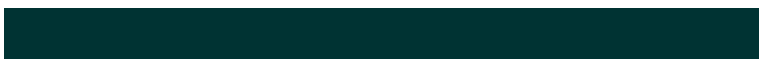
50, 67.914, 284.763



47, 4.517, 199.347



66, 38.108, 197.056



18, 16.007, 196.952

Inverse Universe

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



55, 106.769, 328.408



60, 115.167, 328.409



61, 79.260, 60.010



45, 8.282, 325.057



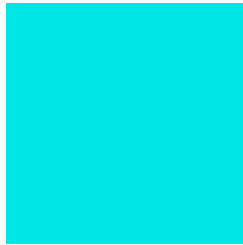
42, 88.129, 328.405



8, 37.002, 328.378

Previews

White Background



This preview shows how the CIE LCh color 83, 46.213, 197.065 looks on a white background.

Color Contrast Check

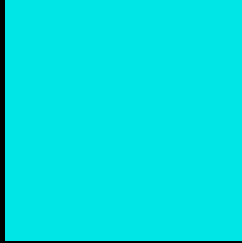
Large Text (above 18pt) WCAG AA × Fail

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, 46.213, 197.065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

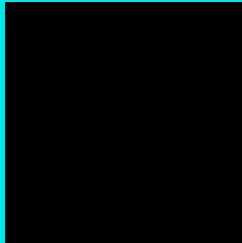
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 46.213, 197.065

Background



This preview shows how black text looks on a background with the CIELCh color 83, 46.213, 197.065.

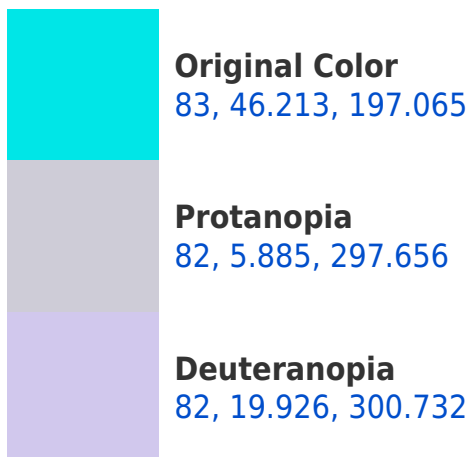


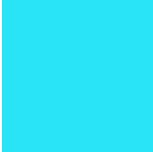
This preview shows how white text looks on a background with the CIELCh color 83, 46.213, 197.065.

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



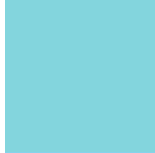


Tritanopia
83, 42.679, 210.573

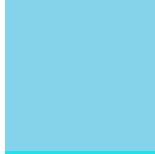
Trichromacy



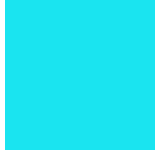
Original Color
83, 46.213, 197.065



Protanomaly
81, 25.817, 207.248



Deuteranomaly
81, 26.339, 227.235

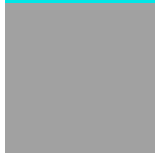


Tritanomaly
83, 43.983, 205.019

Monochromacy



Original Color
83, 46.213, 197.065



Achromatopsia
66, 0.008, 296.813



Achromatomaly
71, 26.649, 197.342

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 46.213, 197.065 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, 230, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 231)  
}
```

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, 230, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 46.213, 197.065 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, 230, 231) }
```

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

```
.border{ border-color:rgb(0, 230, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 230, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 46.213, 197.065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 231) }
```

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

```
.background{ background-color: rgb(0, 230,  
231) }
```

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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