

Converting Colors

CIELCh(83, 58.430, 170.765)

Have a look what the booklet for
CIELCh(83, 58.430, 170.765)
contains.

CIELCh(83, 58.547, 170.454)	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, 58.547, 170.454)

Conversions

Conversions Part 1

Format	Color
Hex	00EABB
RGB	0, 234, 187
RGB Percent	0%, 92%, 73%
CMY	1.0000, 0.0840, 0.2682
CMYK	1.00, 0.00, 0.20, 0.08
HSL	168°, 100%, 46%
HSV	168°, 100%, 92%
XYZ	38.2001, 62.1629, 56.7790
YIQ	158.6760, -124.3770, -64.2250

Conversions

Conversions Part 2

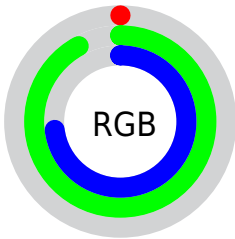
Format	Color
RYB	0, 130, 234
Decimal	60091
CIELab	83.00, -57.74, 9.71
CIELCh	83, 58.547, 170.454
Yxy	62.1629, 0.2431, 0.3956
Android (android.graphics.Color)	4278250171 (0xFF00EABB)
YUV	158.6760, 13.9637, -139.1589
Hunter-Lab	78.8435, -51.4918, 12.4928

Details

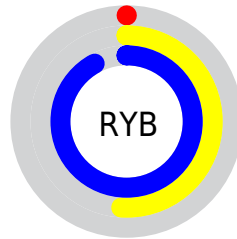
The CIELCh color **83, 58.547, 170.454** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **49, 87.588, 30.256**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 41.929, 188.227**, and **64, 49.899, 166.785** is the 20% darker color. If you saturate the color by 10%, you get **83, 58.487, 170.430**, and if you desaturate by 10%, it is **83, 56.291, 172.276**.

Distribution



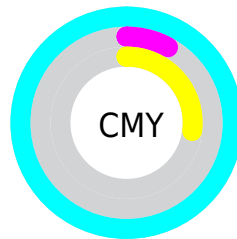
- Red (0%)
- Green (92%)
- Blue (73%)



- Red (0%)
- Yellow (51%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (8%)



- Cyan (100%)
- Magenta (8%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 58.547, 170.454 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, 58.547, 170.454 by changing the saturation by 10% instead.

 83, 58.547,
170.454

 83, 58.547,
170.454

 100, 58.547,
170.454

 73, 58.547,
170.454

 63, 58.547,
170.454

 53, 58.547,
170.454

 43, 58.547,
170.454

 33, 58.547,
170.454

 23, 58.547,
170.454

 13, 58.547,

170.454

■ 3, 58.547, 170.454

■ 0, 58.547, 170.454

■ 83, 58.547,
170.454

■ 83, 58.547,
170.454

■ 83, 58.487,
170.430

■ 83, 56.291,
172.276

■ 84, 53.336,
173.978

■ 84, 49.429,
175.510

■ 85, 44.544,
176.891

■ 86, 38.730,

178.144

■ 87, 32.086,
179.293

■ 88, 24.746,
180.359

■ 89, 16.856,
181.364

■ 91, 8.562, 182.336

Harmonies

Complementary

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



83, 58.547, 170.454



49, 87.588, 30.256

Rectangle

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



83, 58.547, 170.454



83, 58.547, 220.454



83, 58.547, 350.454



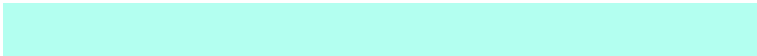
83, 58.547, 40.454

Sweetspot

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



83, 58.487, 170.430



95, 26.560, 180.345



81, 109.964, 134.593



50, 17.922, 179.901



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, 58.487, 170.430



90, 62.577, 170.332



65, 44.961, 253.762



48, 4.884, 182.388



66, 48.125, 170.762



19, 19.857, 173.836

Inverse Universe

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



49, 87.588, 30.256



53, 93.837, 30.537



53, 89.756, 46.179



46, 5.071, 3.991



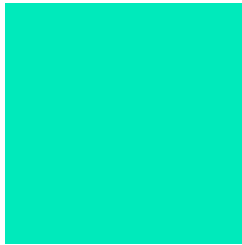
38, 71.755, 29.282



7, 27.905, 14.394

Previews

White Background



This preview shows how the CIE LCh color 83, 58.547, 170.454 looks on a white background.

Color Contrast Check

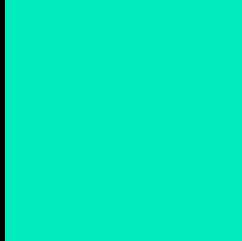
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 83, 58.547, 170.454 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

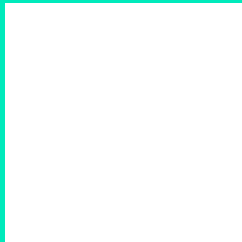
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 58.547, 170.454

Background



This preview shows how black text looks on a background with the CIELCh color 83, 58.547, 170.454.

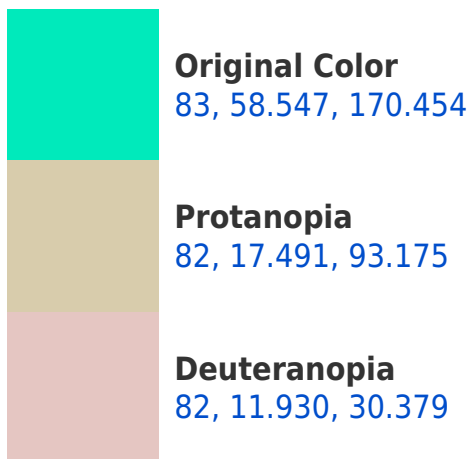


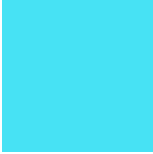
This preview shows how white text looks on a background with the CIELCh color 83, 58.547, 170.454.

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, 39.708, 210.991

Trichromacy



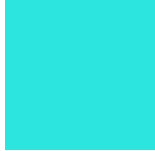
Original Color
83, 58.547, 170.454



Protanomaly
80, 34.191, 160.816



Deuteranomaly
80, 25.077, 172.379

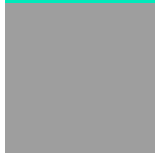


Tritanomaly
83, 45.115, 192.344

Monochromacy



Original Color
83, 58.547, 170.454



Achromatopsia
65, 0.008, 296.813



Achromatomaly
70, 29.693, 178.656

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 58.547, 170.454 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, 234, 187)` looks like.

```
.text, #text, p{  
    color:rgb(0, 234, 187)  
}
```

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, 234, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 234, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 58.547, 170.454 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, 234, 187) }
```

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

```
.border{ border-color:rgb(0, 234, 187) }
```

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

Here you see how a box with a 4 pixel rgb(0, 234, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 234, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 234, 187);  
box-shadow:4px 4px 4px 4px rgb(0, 234,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 58.547, 170.454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 234, 187) }
```

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

```
.background{ background-color: rgb(0, 234,  
187) }
```

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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