

Converting Colors

CIELCh(83, 44.224, 187.623)

Have a look what the booklet for
CIELCh(83, 44.224, 187.623)
contains.

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Color

CIELCh(83, 44.252, 187.431)

Conversions

Conversions Part 1

Format	Color
Hex	42E5D8
RGB	66, 229, 216
RGB Percent	26%, 90%, 85%
CMY	0.7411, 0.1019, 0.1529
CMYK	0.71, 0.00, 0.06, 0.10
HSL	175°, 76%, 58%
HSV	175°, 71%, 90%
XYZ	42.6671, 62.1629, 74.7241
YIQ	178.7810, -92.9750, -38.5990

Conversions

Conversions Part 2

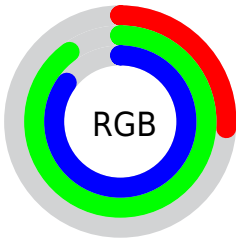
Format	Color
RYB	66, 151, 229
Decimal	4384216
CIELab	83.00, -43.88, -5.72
CIElCh	83, 44.252, 187.431
Yxy	62.1629, 0.2376, 0.3462
Android (android.graphics.Color)	4282574296 (0xFF42E5D8)
YUV	178.7810, 18.3490, -98.9089
Hunter-Lab	78.8435, -41.3786, -1.0018

Details

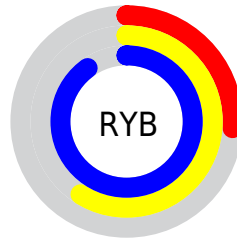
The CIELCh color **83, 44.252, 187.431** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **53, 69.734, 25.571**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.142, 197.260**, and **64, 39.805, 186.363** is the 20% darker color. If you saturate the color by 10%, you get **83, 46.981, 186.568**, and if you desaturate by 10%, it is **84, 40.516, 188.242**.

Distribution



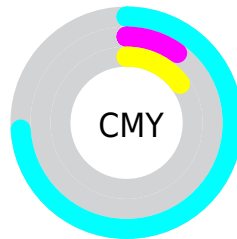
- Red (26%)
- Green (90%)
- Blue (85%)



- Red (26%)
- Yellow (59%)
- Blue (90%)



- Cyan (71%)
- Magenta (0%)
- Yellow (6%)
- Black (10%)





- Cyan (74%)
- Magenta (10%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 44.252, 187.431 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, 44.252, 187.431 by changing the saturation by 10% instead.


 83, 44.252,
187.431


 83, 44.252,
187.431


 100, 44.252,
187.431


 73, 44.252,
187.431

 63, 44.252,
187.431

 53, 44.252,
187.431

 43, 44.252,
187.431

 33, 44.252,
187.431

 23, 44.252,
187.431

 13, 44.252,

187.431

■ 3, 44.252, 187.431

■ 0, 44.252, 187.431

■ 83, 44.252,
187.431

■ 83, 44.252,
187.431

■ 83, 46.981,
186.568

■ 84, 40.516,
188.242

■ 82, 48.752,
185.640

■ 84, 35.792,
189.020

■ 82, 49.698,
184.767

■ 85, 30.157,
189.779

■ 86, 23.722,
190.528

■ 88, 16.619,

191.278

 89, 8.986, 192.044

 91, 0.956, 193.338

 93, 7.353, 13.365

 93, 9.561, 9.383

Harmonies

Complementary

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



83, 44.252, 187.431



53, 69.734, 25.571

Rectangle

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



83, 44.252, 187.431



83, 44.252, 237.431



83, 44.252, 7.431



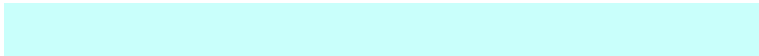
83, 44.252, 57.431

Sweetspot

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



83, 44.252, 187.430



96, 17.990, 191.281



81, 93.945, 136.752



51, 12.080, 191.072



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, 44.252, 187.430



91, 51.912, 186.175



64, 42.737, 261.927



47, 4.594, 192.182



66, 41.190, 184.941



18, 17.066, 186.597

Inverse Universe

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



53, 69.734, 25.571



55, 89.891, 31.458



65, 59.603, 58.645



45, 4.835, 13.491



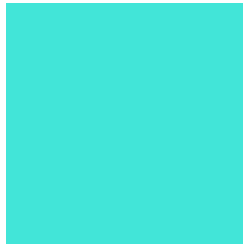
37, 76.671, 36.716



6, 26.867, 18.460

Previews

White Background



This preview shows how the CIE LCh color 83, 44.252, 187.431 looks on a white background.

Color Contrast Check

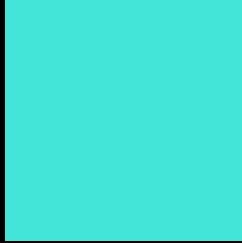
Large Text (above 18pt) WCAG AA × Fail

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, 44.252, 187.431 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

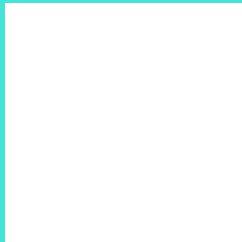
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 44.252, 187.431

Background



This preview shows how black text looks on a background with the CIELCh color 83, 44.252, 187.431.

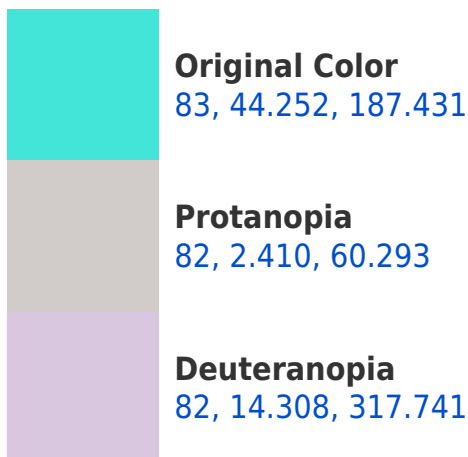


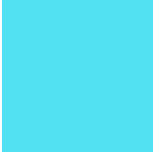
This preview shows how white text looks on a background with the CIELCh color 83, 44.252, 187.431.

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, 38.084, 211.702

Trichromacy



Original Color
83, 44.252, 187.431



Protanomaly
81, 19.529, 186.987



Deuteranomaly
81, 16.647, 217.083

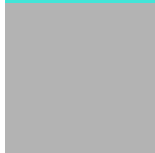


Tritanomaly
83, 39.504, 202.276

Monochromacy



Original Color
83, 44.252, 187.431



Achromatopsia
73, 0.009, 296.813



Achromatomaly
76, 20.311, 190.198

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 44.252, 187.431 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(66, 229, 216)` looks like.

```
.text, #text, p{  
    color:rgb(66, 229, 216)  
}
```

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(66, 229, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 229, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 44.252, 187.431 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(66, 229, 216) }
```

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

```
.border{ border-color:rgb(66, 229, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 229, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 229, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 229, 216);  
box-shadow:4px 4px 4px 4px rgb(66, 229,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 44.252, 187.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 229, 216) }
```

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

```
.background{ background-color: rgb(66, 229,  
216) }
```

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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