

Converting Colors

CIELCh(83, 42.308, 177.342)

Have a look what the booklet for
CIELCh(83, 42.308, 177.342)
contains.

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Color

CIELCh(83, 42.234, 177.456)

Conversions

Conversions Part 1

Format	Color
Hex	61E4CA
RGB	97, 228, 202
RGB Percent	38%, 89%, 79%
CMY	0.6204, 0.1066, 0.2086
CMYK	0.58, 0.00, 0.11, 0.11
HSL	168°, 71%, 64%
HSV	168°, 58%, 89%
XYZ	43.2340, 62.1629, 65.4792
YIQ	185.8670, -69.7300, -35.8580

Conversions

Conversions Part 2

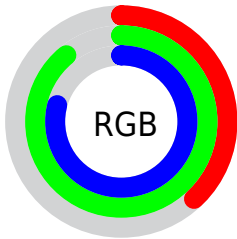
Format	Color
RYB	97, 170, 228
Decimal	6415562
CIELab	83.00, -42.19, 1.87
CIELCh	83, 42.234, 177.456
Yxy	62.1629, 0.2530, 0.3638
Android (android.graphics.Color)	4284605642 (0xFF61E4CA)
YUV	185.8670, 7.9536, -77.9364
Hunter-Lab	78.8435, -40.0953, 5.9503

Details

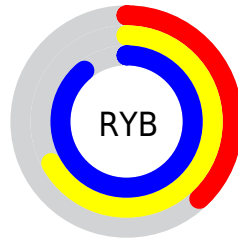
The CIELCh color **83, 42.234, 177.456** is a light color, and the websafe version is hex **33CCCC**. A complement of this color would be **58, 54.407, 12.237**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 29.902, 197.576**, and **63, 42.329, 177.321** is the 20% darker color. If you saturate the color by 10%, you get **82, 47.239, 176.120**, and if you desaturate by 10%, it is **84, 36.339, 178.670**.

Distribution



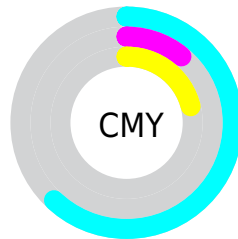
- Red (38%)
- Green (89%)
- Blue (79%)



- Red (38%)
- Yellow (67%)
- Blue (89%)



- Cyan (58%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)





- Cyan (62%)
- Magenta (11%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 42.234, 177.456 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, 42.234, 177.456 by changing the saturation by 10% instead.


 83, 42.234,
177.456


 83, 42.234,
177.456


 100, 42.234,
177.456


 73, 42.234,
177.456

 63, 42.234,
177.456

 53, 42.234,
177.456

 43, 42.234,
177.456

 33, 42.234,
177.456

 23, 42.234,
177.456

 13, 42.234,

177.456

■ 3, 42.234, 177.456

■ 0, 42.234, 177.456

■ 83, 42.234,
177.456

■ 83, 42.234,
177.456

■ 82, 47.239,
176.120

■ 84, 36.339,
178.670

■ 82, 51.291,
174.641

■ 85, 29.662,
179.789

■ 81, 54.397,
172.998

■ 86, 22.337,
180.832

■ 81, 56.664,
171.189

■ 88, 14.508,
181.820

■ 81, 57.170,

■ 89, 6.315, 182.794

170.735

■ 91, 2.118, 3.320

■ 93, 10.242, 3.642

■ 93, 11.081,
352.012

■ 93, 12.316,
342.393

Harmonies

Complementary

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



83, 42.234, 177.456



58, 54.407, 12.237

Rectangle

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



83, 42.234, 177.456



83, 42.234, 227.456



83, 42.234, 357.456



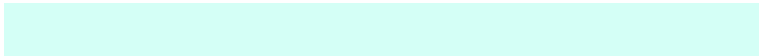
83, 42.234, 47.456

Sweetspot

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



83, 42.234, 177.455



97, 15.443, 181.859



82, 76.443, 135.378



51, 10.292, 181.663



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, 42.234, 177.455



91, 52.370, 175.848



72, 32.245, 239.916



47, 4.791, 182.599



65, 47.445, 171.057



18, 19.158, 174.277

Inverse Universe

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



58, 54.407, 12.237



60, 70.938, 15.955



66, 47.650, 48.911



45, 4.975, 4.194



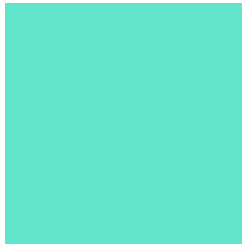
37, 71.090, 29.424



7, 26.669, 13.481

Previews

White Background



This preview shows how the CIE LCh color 83, 42.234, 177.456 looks on a white background.

Color Contrast Check

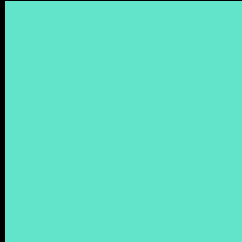
Large Text (above 18pt) WCAG AA × Fail

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, 42.234, 177.456 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

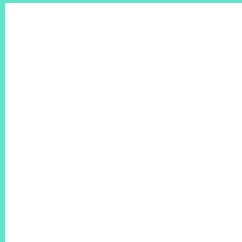
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 42.234, 177.456

Background



This preview shows how black text looks on a background with the CIELCh color 83, 42.234, 177.456.

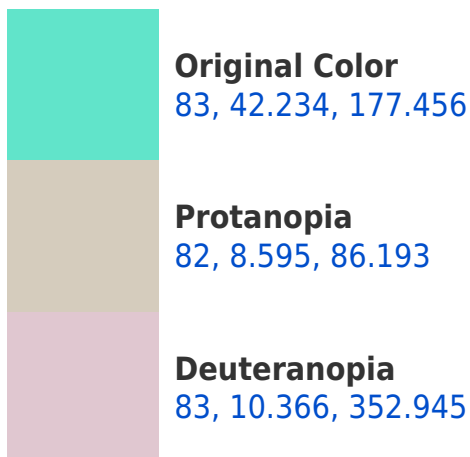


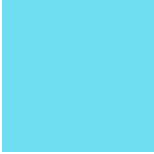
This preview shows how white text looks on a background with the CIELCh color 83, 42.234, 177.456.

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, 32.620, 214.561

Trichromacy



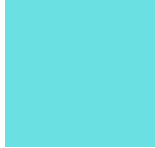
Original Color
83, 42.234, 177.456



Protanomaly
82, 18.203, 164.531



Deuteranomaly
82, 11.046, 190.327

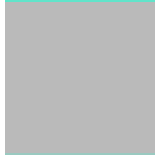


Tritanomaly
83, 34.406, 198.888

Monochromacy



Original Color
83, 42.234, 177.456



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 17.246, 181.808

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 42.234, 177.456 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(97, 228, 202)` looks like.

```
.text, #text, p{  
    color:rgb(97, 228, 202)  
}
```

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(97, 228, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 228, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 42.234, 177.456 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(97, 228, 202) }
```

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

```
.border{ border-color:rgb(97, 228, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 228, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 228, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 228, 202);  
box-shadow:4px 4px 4px 4px rgb(97, 228,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 42.234, 177.456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 228, 202) }
```

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

```
.background{ background-color: rgb(97, 228,  
202) }
```

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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