

Converting Colors

CIELCh(83, 37.870, 176.270)

Have a look what the booklet for
CIELCh(83, 37.870, 176.270)
contains.

CIELCh(83, 37.867, 176.296)	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, 37.867, 176.296)

Conversions

Conversions Part 1

Format	Color
Hex	73E2C9
RGB	115, 226, 201
RGB Percent	45%, 89%, 79%
CMY	0.5496, 0.1143, 0.2123
CMYK	0.49, 0.00, 0.11, 0.11
HSL	166°, 66%, 67%
HSV	166°, 49%, 89%
XYZ	44.7367, 62.1629, 64.8163
YIQ	189.9610, -58.1310, -31.3070

Conversions

Conversions Part 2

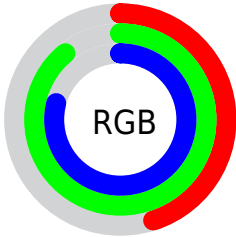
Format	Color
RYB	115, 178, 226
Decimal	7594697
CIELab	83.00, -37.79, 2.45
CIELCh	83, 37.867, 176.296
Yxy	62.1629, 0.2605, 0.3620
Android (android.graphics.Color)	4285784777 (0xFF73E2C9)
YUV	189.9610, 5.4422, -65.7408
Hunter-Lab	78.8435, -36.6932, 6.4489

Details

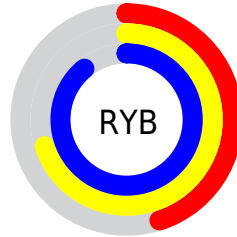
The CIELCh color **83, 37.867, 176.296** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **62, 46.083, 8.148**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 25.937, 197.818**, and **63, 37.895, 176.284** is the 20% darker color. If you saturate the color by 10%, you get **82, 43.807, 174.997**, and if you desaturate by 10%, it is **84, 31.152, 177.479**.

Distribution



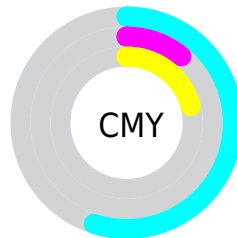
- Red (45%)
- Green (89%)
- Blue (79%)



- Red (45%)
- Yellow (70%)
- Blue (89%)



- Cyan (49%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)




- Cyan (55%)
- Magenta (11%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 37.867, 176.296 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, 37.867, 176.296 by changing the saturation by 10% instead.


 83, 37.867,
176.296

 83, 37.867,
176.296


 100, 37.867,
176.296


 73, 37.867,
176.296

 63, 37.867,
176.296

 53, 37.867,
176.296

 43, 37.867,
176.296

 33, 37.867,
176.296

 23, 37.867,
176.296

 13, 37.867,

176.296

■ 3, 37.867, 176.296

■ 0, 37.867, 176.296

■ 83, 37.867,
176.296

■ 83, 37.867,
176.296

■ 82, 43.807,
174.997

■ 84, 31.152,
177.479

■ 81, 48.864,
173.562

■ 85, 23.792,
178.574

■ 81, 52.983,
171.966

■ 87, 15.934,
179.600

■ 81, 56.179,
170.191

■ 88, 7.717, 180.590

■ 80, 58.606,

■ 90, 0.732, 0.670

168.257

92, 9.305, 2.225

80, 58.802,
168.093

92, 11.822,
352.718

93, 13.194,
342.530

93, 14.912,
334.513

Harmonies

Complementary

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



83, 37.867, 176.296



62, 46.083, 8.148

Rectangle

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



83, 37.867, 176.296



83, 37.867, 226.296



83, 37.867, 356.296



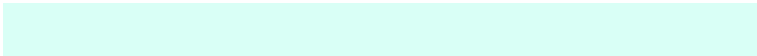
83, 37.867, 46.296

Sweetspot

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



83, 37.868, 176.295



97, 13.860, 180.001



82, 65.149, 135.072



51, 9.426, 179.791



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, 37.868, 176.295



92, 48.164, 174.963



75, 28.144, 232.859



46, 4.764, 180.561



64, 48.559, 168.446



17, 19.039, 172.089

Inverse Universe

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



62, 46.083, 8.148



64, 61.061, 10.677



68, 39.713, 45.878



44, 4.933, 2.181



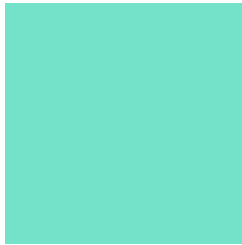
37, 69.108, 27.283



6, 25.284, 11.382

Previews

White Background



This preview shows how the CIELCh color 83, 37.867, 176.296 looks on a white background.

Color Contrast Check

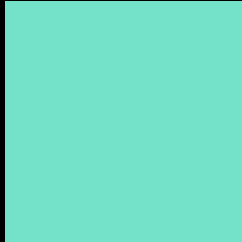
Large Text (above 18pt) WCAG AA × Fail

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, 37.867, 176.296 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

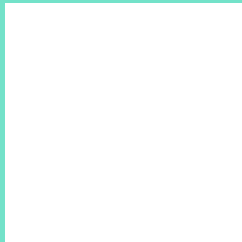
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 37.867, 176.296

Background



This preview shows how black text looks on a background with the CIELCh color 83, 37.867, 176.296.

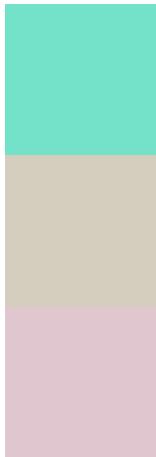


This preview shows how white text looks on a background with the CIELCh color 83, 37.867, 176.296.

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, 37.867, 176.296

Protanopia
83, 8.942, 89.696

Deuteranopia
82, 10.146, 355.610



Tritanopia
83, 29.092, 216.942

Trichromacy



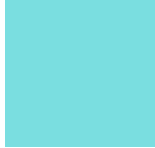
Original Color
83, 37.867, 176.296



Protanomaly
82, 16.870, 159.393



Deuteranomaly
82, 9.165, 185.383

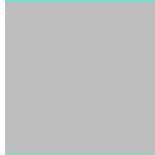


Tritanomaly
83, 30.459, 199.363

Monochromacy



Original Color
83, 37.867, 176.296



Achromatopsia
77, 0.009, 296.813



Achromatomaly
79, 15.024, 179.572

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 37.867, 176.296 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(115, 226, 201)` looks like.

```
.text, #text, p{  
    color:rgb(115, 226, 201)  
}
```

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(115, 226, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 226, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 37.867, 176.296 is called "border". The border property can be set on classes, ids or directly on the HTML element.

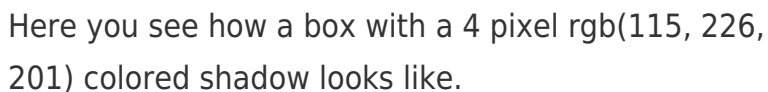
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 226, 201) }
```

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

```
.border{ border-color:rgb(115, 226, 201) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 226, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 226, 201); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 226, 201); box-shadow:4px 4px 4px 4px rgb(115, 226, 201) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 37.867, 176.296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 226, 201) }
```

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

```
.background{ background-color: rgb(115,  
226, 201) }
```

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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