

Converting Colors

CIELCh(83, 37.752, 172.217)

Have a look what the booklet for
CIELCh(83, 37.752, 172.217)
contains.

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Color

CIELCh(83, 37.903, 172.020)

Conversions

Conversions Part 1

Format	Color
Hex	79E2C4
RGB	121, 226, 196
RGB Percent	47%, 89%, 77%
CMY	0.5271, 0.1154, 0.2330
CMYK	0.47, 0.00, 0.13, 0.12
HSL	163°, 64%, 68%
HSV	163°, 47%, 88%
XYZ	44.8237, 62.1629, 61.6162
YIQ	191.1850, -52.9500, -31.5900

Conversions

Conversions Part 2

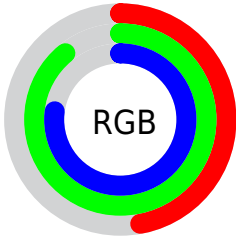
Format	Color
RYB	121, 182, 226
Decimal	7987908
CIELab	83.00, -37.54, 5.26
CIELCh	83, 37.903, 172.020
Yxy	62.1629, 0.2659, 0.3687
Android (android.graphics.Color)	4286177988 (0xFF79E2C4)
YUV	191.1850, 2.3738, -61.5522
Hunter-Lab	78.8435, -36.4963, 8.8553

Details

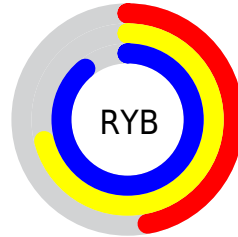
The CIELCh color **83, 37.903, 172.020** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **63, 43.971, 3.086**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 24.420, 195.475**, and **63, 37.969, 171.808** is the 20% darker color. If you saturate the color by 10%, you get **82, 44.562, 170.653**, and if you desaturate by 10%, it is **84, 30.545, 173.255**.

Distribution



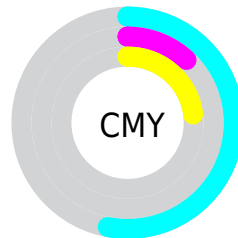
- Red (47%)
- Green (89%)
- Blue (77%)



- Red (47%)
- Yellow (71%)
- Blue (89%)



- Cyan (47%)
- Magenta (0%)
- Yellow (13%)
- Black (12%)





- Cyan (53%)
- Magenta (12%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 37.903, 172.020 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, 37.903, 172.020 by changing the saturation by 10% instead.


 83, 37.903,
172.020


 83, 37.903,
172.020


 100, 37.903,
172.020


 73, 37.903,
172.020

 63, 37.903,
172.020

 53, 37.903,
172.020

 43, 37.903,
172.020

 33, 37.903,
172.020

 23, 37.903,
172.020

 13, 37.903,

172.020

■ 3, 37.903, 172.020

■ 0, 37.903, 172.020

■ 83, 37.903,
172.020

■ 83, 37.903,
172.020

■ 82, 44.562,
170.653

■ 84, 30.545,
173.255

■ 81, 50.398,
169.132

■ 85, 22.629,
174.387

■ 81, 55.331,
167.433

■ 87, 14.305,
175.438

■ 80, 59.347,
165.537

■ 89, 5.710, 176.458

■ 80, 62.524,

■ 90, 3.034, 357.097

163.447

92, 11.516,
357.415

80, 63.522,
162.718

92, 13.101,
343.864

93, 15.268,
333.753

93, 17.803,
326.401

Harmonies

Complementary

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



83, 37.903, 172.020



63, 43.971, 3.086

Rectangle

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



83, 37.903, 172.020



83, 37.903, 222.020



83, 37.903, 352.020



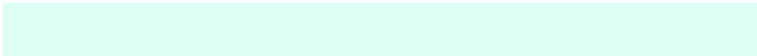
83, 37.903, 42.020

Sweetspot

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



83, 37.904, 172.019



97, 13.403, 175.687



83, 60.603, 133.368



52, 9.231, 175.467



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, 37.904, 172.019



92, 48.774, 170.677



78, 27.165, 222.488



46, 4.921, 176.158



64, 52.444, 163.104



17, 20.306, 167.143

Inverse Universe

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



63, 43.971, 3.086



66, 58.274, 5.250



67, 38.494, 39.693



44, 5.064, 357.808



37, 66.774, 22.178



6, 25.335, 8.459

Previews

White Background



This preview shows how the CIE LCh color 83, 37.903, 172.020 looks on a white background.

Color Contrast Check

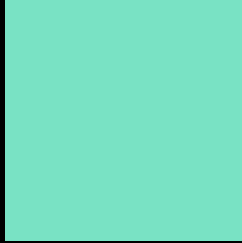
Large Text (above 18pt) WCAG AA × Fail

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, 37.903, 172.020 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, 37.903, 172.020

Background



This preview shows how black text looks on a background with the CIELCh color 83, 37.903, 172.020.

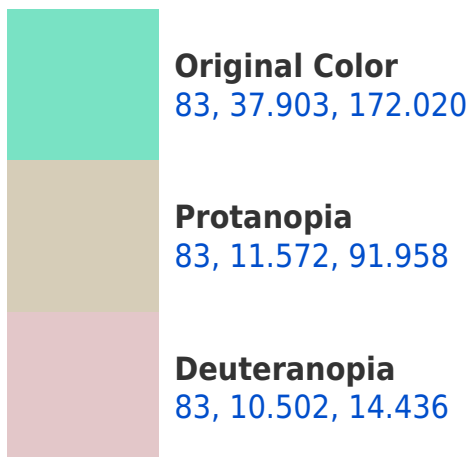



This preview shows how white text looks on a background with the CIELCh color 83, 37.903, 172.020.

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, 27.669, 216.866

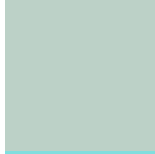
Trichromacy



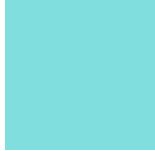
Original Color
83, 37.903, 172.020



Protanomaly
82, 17.360, 151.298



Deuteranomaly
82, 9.315, 164.143



Tritanomaly
83, 29.185, 197.425

Monochromacy



Original Color
83, 37.903, 172.020



Achromatopsia
77, 0.009, 296.813



Achromatomaly
79, 15.152, 175.437

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 37.903, 172.020 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(121, 226, 196)` looks like.

```
.text, #text, p{  
    color:rgb(121, 226, 196)  
}
```

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(121, 226, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 226, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 37.903, 172.020 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(121, 226, 196) }
```

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

```
.border{ border-color:rgb(121, 226, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 226, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 226, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 226, 196); box-shadow:4px 4px 4px 4px rgb(121, 226, 196) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 37.903, 172.020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 226, 196) }
```

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

```
.background{ background-color: rgb(121,  
226, 196) }
```

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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