

Converting Colors

CIELCh(83, 36.433, 163.492)

Have a look what the booklet for
CIELCh(83, 36.433, 163.492)
contains.

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Color

CIElCh(83, 36.433, 163.492)

Conversions

Conversions Part 1

Format	Color
Hex	88E0BA
RGB	136, 224, 186
RGB Percent	53%, 88%, 73%
CMY	0.4662, 0.1211, 0.2702
CMYK	0.39, 0.00, 0.17, 0.12
HSL	154°, 59%, 71%
HSV	154°, 39%, 88%
XYZ	45.7297, 62.1629, 56.1014
YIQ	193.3560, -40.2500, -30.4740

Conversions

Conversions Part 2

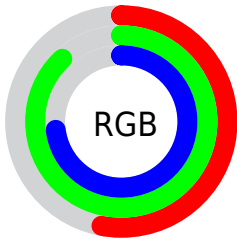
Format	Color
RYB	136, 192, 224
Decimal	8970426
CIELab	83.00, -34.93, 10.35
CIELCh	83, 36.433, 163.492
Yxy	62.1629, 0.2788, 0.3791
Android (android.graphics.Color)	4287160506 (0xFF88E0BA)
YUV	193.3560, -3.6265, -50.3012
Hunter-Lab	78.8435, -34.4451, 13.0024

Details

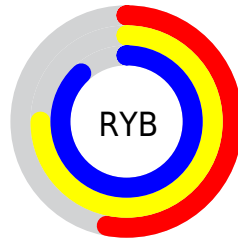
The CIELCh color **83, 36.433, 163.492** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **67, 38.942, 351.739**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 22.209, 180.476**, and **63, 36.212, 163.690** is the 20% darker color. If you saturate the color by 10%, you get **82, 44.848, 162.163**, and if you desaturate by 10%, it is **84, 27.519, 164.676**.

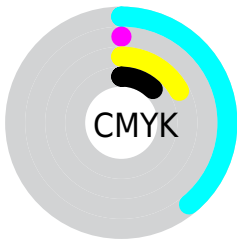
Distribution



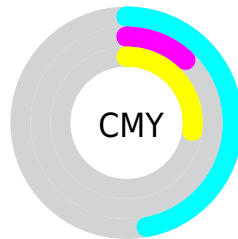
- Red (53%)
- Green (88%)
- Blue (73%)



- Red (53%)
- Yellow (75%)
- Blue (88%)



- Cyan (39%)
- Magenta (0%)
- Yellow (17%)
- Black (12%)





- Cyan (47%)
- Magenta (12%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 36.433, 163.492 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, 36.433, 163.492 by changing the saturation by 10% instead.


 83, 36.433,
163.492


 83, 36.433,
163.492


 100, 36.433,
163.492


 73, 36.433,
163.492

 63, 36.433,
163.492

 53, 36.433,
163.492

 43, 36.433,
163.492

 33, 36.433,
163.492

 23, 36.433,
163.492

 13, 36.433,

163.492

■ 3, 36.433, 163.492

■ 0, 36.433, 163.492

■ 83, 36.433,
163.492

■ 83, 36.433,
163.492

■ 82, 44.848,
162.163

■ 84, 27.519,
164.676

■ 81, 52.601,
160.666

■ 86, 18.264,
165.745

■ 80, 59.558,
158.976

■ 87, 8.814, 166.731

■ 80, 65.629,
157.075

■ 89, 0.703, 346.887

■ 91, 10.185,
348.313

■ 79, 70.798,

154.960

92, 15.119,
337.254

79, 75.193,
152.688

92, 18.843,
326.108

79, 75.504,
152.526

93, 19.321,
325.096

Harmonies

Complementary

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



83, 36.433, 163.492



67, 38.942, 351.739

Rectangle

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



83, 36.433, 163.492



83, 36.433, 213.492



83, 36.433, 343.492



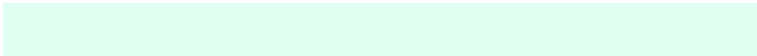
83, 36.433, 33.492

Sweetspot

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



83, 36.434, 163.491



98, 12.666, 166.458



84, 49.223, 129.538



52, 8.398, 166.330



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, 36.434, 163.491



92, 47.704, 162.432



82, 25.867, 204.635



46, 5.405, 166.714



63, 62.529, 152.931



17, 23.667, 157.388

Inverse Universe

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



67, 38.942, 351.739



71, 51.553, 352.973



67, 34.541, 28.006



44, 5.497, 348.283



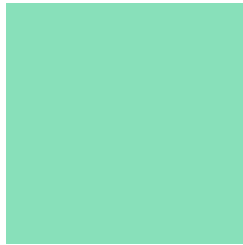
37, 63.947, 8.377



6, 25.872, 359.610

Previews

White Background



This preview shows how the CIE LCh color 83, 36.433, 163.492 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, 36.433, 163.492 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

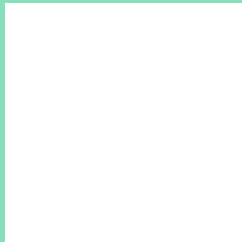
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 36.433, 163.492

Background



This preview shows how black text looks on a background with the CIELCh color 83, 36.433, 163.492.

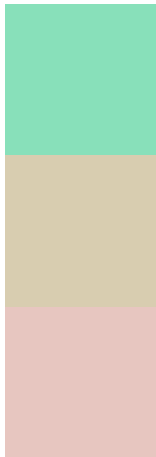


This preview shows how white text looks on a background with the CIELCh color 83, 36.433, 163.492.

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, 36.433, 163.492

Protanopia
83, 15.845, 93.243

Deuteranopia
82, 12.963, 34.340



Tritanopia
83, 23.264, 222.422

Trichromacy



Original Color
83, 36.433, 163.492



Protanomaly
82, 19.333, 137.547



Deuteranomaly
82, 9.895, 133.708



Tritanomaly
83, 24.774, 193.996

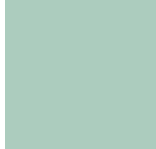
Monochromacy



Original Color
83, 36.433, 163.492



Achromatopsia
78, 0.009, 296.813



Achromatomaly
79, 13.855, 165.787

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 36.433, 163.492 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(136, 224, 186)` looks like.

```
.text, #text, p{  
    color:rgb(136, 224, 186)  
}
```

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(136, 224, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 224, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 36.433, 163.492 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(136, 224, 186) }
```

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

```
.border{ border-color:rgb(136, 224, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 224, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 224, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 224, 186);  
box-shadow:4px 4px 4px 4px rgb(136, 224,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 36.433, 163.492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 224, 186) }
```

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

```
.background{ background-color: rgb(136,  
224, 186) }
```

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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