

Converting Colors

CIELCh(83, 37.204, 162.787)

Have a look what the booklet for
CIELCh(83, 37.204, 162.787)
contains.

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Color

CIELCh(83, 37.013, 163.070)

Conversions

Conversions Part 1

Format	Color
Hex	87E0B9
RGB	135, 224, 185
RGB Percent	53%, 88%, 73%
CMY	0.4694, 0.1204, 0.2734
CMYK	0.40, 0.00, 0.17, 0.12
HSL	154°, 59%, 71%
HSV	154°, 40%, 88%
XYZ	45.5626, 62.1629, 55.6555
YIQ	192.9430, -40.5250, -30.9970

Conversions

Conversions Part 2

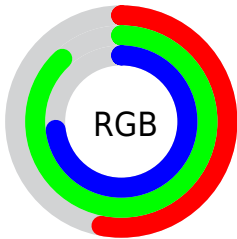
Format	Color
RYB	135, 192, 224
Decimal	8904889
CIELab	83.00, -35.41, 10.78
CIElCh	83, 37.013, 163.070
Yxy	62.1629, 0.2789, 0.3805
Android (android.graphics.Color)	4287094969 (0xFF87E0B9)
YUV	192.9430, -3.9159, -50.8160
Hunter-Lab	78.8435, -34.8233, 13.3377

Details

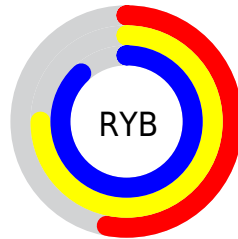
The CIELCh color **83, 37.013, 163.070** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **67, 39.504, 351.387**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 22.705, 179.474**, and **63, 36.794, 163.198** is the 20% darker color. If you saturate the color by 10%, you get **82, 45.467, 161.735**, and if you desaturate by 10%, it is **84, 28.056, 164.258**.

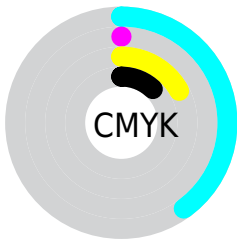
Distribution



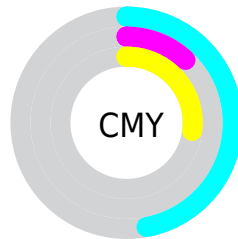
- Red (53%)
- Green (88%)
- Blue (73%)



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



- Cyan (40%)
- Magenta (0%)
- Yellow (17%)
- Black (12%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 37.013, 163.070 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, 37.013, 163.070 by changing the saturation by 10% instead.


 83, 37.013,
163.070


 83, 37.013,
163.070


 100, 37.013,
163.070


 73, 37.013,
163.070

 63, 37.013,
163.070

 53, 37.013,
163.070

 43, 37.013,
163.070

 33, 37.013,
163.070

 23, 37.013,
163.070

 13, 37.013,

163.070

■ 3, 37.013, 163.070

■ 0, 37.013, 163.070

■ 83, 37.013,
163.070

■ 83, 37.013,
163.070

■ 82, 45.467,
161.735

■ 84, 28.056,
164.258

■ 81, 53.256,
160.230

■ 86, 18.753,
165.329

■ 80, 60.243,
158.530

■ 87, 9.255, 166.315

■ 80, 66.341,
156.618

■ 89, 0.311, 345.638

■ 91, 9.841, 347.896

■ 79, 71.535,

154.493

92, 15.037,
337.198

79, 75.969,
152.220

93, 18.829,
325.878

79, 76.106,
152.150

93, 19.201,
325.092

Harmonies

Complementary

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



83, 37.013, 163.070



67, 39.504, 351.387

Rectangle

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



83, 37.013, 163.070



83, 37.013, 213.070



83, 37.013, 343.070



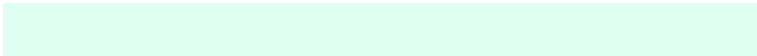
83, 37.013, 33.070

Sweetspot

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



83, 37.014, 163.069



98, 12.724, 166.082



84, 49.531, 128.951



52, 8.437, 165.954



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, 37.014, 163.069



92, 48.886, 161.923



83, 26.527, 202.762



46, 5.430, 166.338



63, 62.982, 152.556



17, 23.822, 157.019

Inverse Universe

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



67, 39.504, 351.387



71, 52.752, 352.715



67, 35.473, 26.805



44, 5.520, 347.900



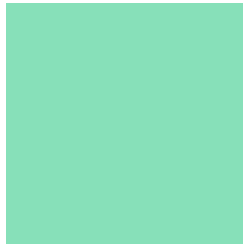
37, 63.927, 7.751



6, 25.915, 359.166

Previews

White Background



This preview shows how the CIELCh color 83, 37.013, 163.070 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, 37.013, 163.070 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

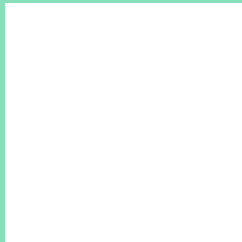
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 37.013, 163.070

Background



This preview shows how black text looks on a background with the CIELCh color 83, 37.013, 163.070.

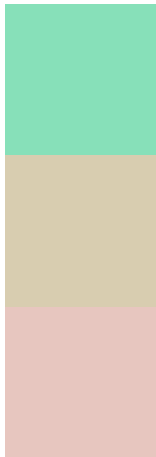


This preview shows how white text looks on a background with the CIELCh color 83, 37.013, 163.070.

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](#).

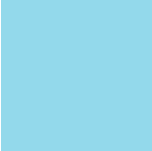
Dichromacy



Original Color
83, 37.013, 163.070

Protanopia
83, 15.845, 93.243

Deuteranopia
82, 13.128, 36.522



Tritanopia
83, 23.509, 222.138

Trichromacy



Original Color
83, 37.013, 163.070



Protanomaly
82, 19.798, 136.816



Deuteranomaly
82, 11.007, 133.160

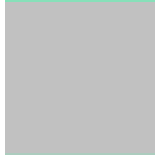


Tritanomaly
83, 25.050, 194.017

Monochromacy



Original Color
83, 37.013, 163.070



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, 37.013, 163.070 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(135, 224, 185)` looks like.

```
.text, #text, p{  
    color:rgb(135, 224, 185)  
}
```

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(135, 224, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 224, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 37.013, 163.070 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(135, 224, 185) }
```

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

```
.border{ border-color:rgb(135, 224, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 224, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 224, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 224, 185); box-shadow:4px 4px 4px 4px rgb(135, 224, 185) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 37.013, 163.070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 224, 185) }
```

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

```
.background{ background-color: rgb(135,  
224, 185) }
```

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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