

Converting Colors

CIELCh(83, 59.354, 155.889)

Have a look what the booklet for
CIELCh(83, 59.354, 155.889)
contains.

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Color

CIELCh(83, 59.170, 156.009)

Conversions

Conversions Part 1

Format	Color
Hex	5BE79F
RGB	91, 231, 159
RGB Percent	36%, 91%, 62%
CMY	0.6412, 0.0924, 0.3749
CMYK	0.60, 0.00, 0.31, 0.09
HSL	149°, 75%, 63%
HSV	149°, 60%, 91%
XYZ	39.3539, 62.1629, 42.9094
YIQ	180.9320, -60.3280, -52.0720

Conversions

Conversions Part 2

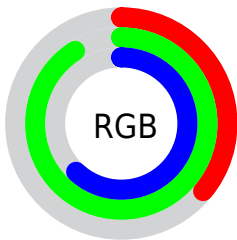
Format	Color
RYB	91, 185, 231
Decimal	6023071
CIELab	83.00, -54.06, 24.06
CIELCh	83, 59.170, 156.009
Yxy	62.1629, 0.2725, 0.4304
Android (android.graphics.Color)	4284213151 (0xFF5BE79F)
YUV	180.9320, -10.8125, -78.8704
Hunter-Lab	78.8435, -48.8798, 22.9227

Details

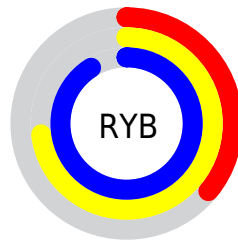
The CIELCh color **83, 59.170, 156.009** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **59, 62.077, 349.868**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 40.379, 165.310**, and **63, 58.739, 155.841** is the 20% darker color. If you saturate the color by 10%, you get **82, 66.987, 154.288**, and if you desaturate by 10%, it is **84, 50.518, 157.526**.

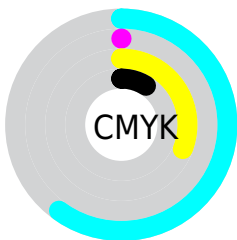
Distribution



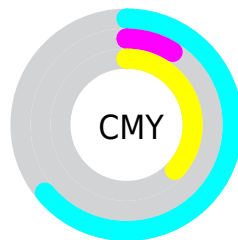
- Red (36%)
- Green (91%)
- Blue (62%)



- Red (36%)
- Yellow (73%)
- Blue (91%)



- Cyan (60%)
- Magenta (0%)
- Yellow (31%)
- Black (9%)





- Cyan (64%)
- Magenta (9%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 59.170, 156.009 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, 59.170, 156.009 by changing the saturation by 10% instead.


 83, 59.170,
156.009


 83, 59.170,
156.009


 100, 59.170,
156.009

 73, 59.170,
156.009

 63, 59.170,
156.009

 53, 59.170,
156.009

 43, 59.170,
156.009

 33, 59.170,
156.009

 23, 59.170,
156.009

 13, 59.170,

156.009

■ 3, 59.170, 156.009

■ 0, 59.170, 156.009

■ 83, 59.170,
156.009

■ 83, 59.170,
156.009

■ 82, 66.987,
154.288

■ 84, 50.518,
157.526

■ 82, 73.863,
152.353

■ 85, 41.183,
158.860

■ 81, 79.771,
150.211

■ 86, 31.344,
160.038

■ 81, 84.634,
148.060


■ 88, 21.177,
161.086


■ 90, 10.843,

162.035

 92, 0.479, 163.762

 94, 9.808, 343.541

 94, 14.591,
325.267

 94, 14.715,
324.932

Harmonies

Complementary

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



83, 59.170, 156.009



59, 62.077, 349.868

Rectangle

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



83, 59.170, 156.009



83, 59.170, 206.009



83, 59.170, 336.009



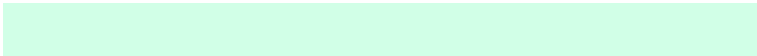
83, 59.170, 26.009

Sweetspot

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



83, 59.171, 156.009



96, 20.157, 161.319



85, 73.798, 125.821



51, 13.995, 161.031



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, 59.171, 156.009



90, 74.349, 153.746



85, 39.143, 195.018



47, 5.841, 162.128



64, 69.079, 148.479



18, 26.640, 152.698

Inverse Universe

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



59, 62.077, 349.868



60, 76.705, 352.548



57, 60.843, 26.573



45, 5.911, 343.605



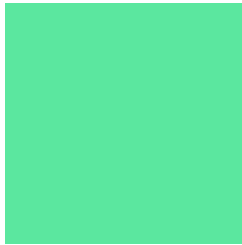
38, 65.036, 0.496



7, 27.763, 353.826

Previews

White Background



This preview shows how the CIE LCh color 83, 59.170, 156.009 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, 59.170, 156.009 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, 59.170, 156.009

Background



This preview shows how black text looks on a background with the CIELCh color 83, 59.170, 156.009.

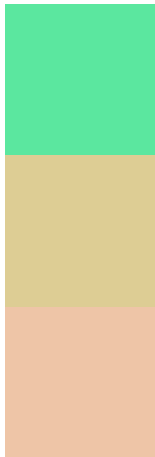


This preview shows how white text looks on a background with the CIELCh color 83, 59.170, 156.009.

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, 59.170, 156.009

Protanopia
82, 30.569, 95.276

Deuteranopia
82, 22.946, 63.365



Tritanopia
83, 31.213, 215.451

Trichromacy



Original Color
83, 59.170, 156.009



Protanomaly
82, 36.547, 132.801



Deuteranomaly
81, 26.047, 129.595



Tritanomaly
83, 36.796, 184.341

Monochromacy



Original Color
83, 59.170, 156.009



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 23.312, 160.837

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 59.170, 156.009 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(91, 231, 159)` looks like.

```
.text, #text, p{  
    color:rgb(91, 231, 159)  
}
```

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(91, 231, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 231, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 59.170, 156.009 is called "border". The border property can be set on classes, ids or directly on the HTML element.

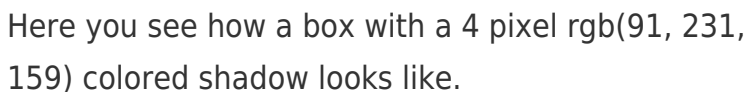
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(91, 231, 159) }
```

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

```
.border{ border-color:rgb(91, 231, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(91, 231, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 231, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 231, 159);  
box-shadow:4px 4px 4px 4px rgb(91, 231,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 59.170, 156.009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 231, 159) }
```

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

```
.background{ background-color: rgb(91, 231,  
159) }
```

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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