

Converting Colors

CIELCh(83, 59.297, 158.671)

Have a look what the booklet for
CIELCh(83, 59.297, 158.671)
contains.

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Color

CIELCh(83, 59.368, 158.638)

Conversions

Conversions Part 1

Format	Color
Hex	51E8A4
RGB	81, 232, 164
RGB Percent	32%, 91%, 64%
CMY	0.6822, 0.0901, 0.3567
CMYK	0.65, 0.00, 0.29, 0.09
HSL	153°, 77%, 61%
HSV	153°, 65%, 91%
XYZ	38.9652, 62.1629, 45.0808
YIQ	179.0990, -68.1680, -53.1600

Conversions

Conversions Part 2

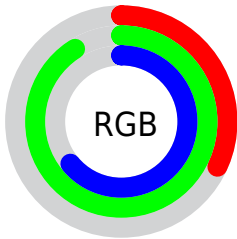
Format	Color
RYB	81, 178, 232
Decimal	5367972
CIELab	83.00, -55.29, 21.63
CIELCh	83, 59.368, 158.638
Yxy	62.1629, 0.2665, 0.4252
Android (android.graphics.Color)	4283558052 (0xFF51E8A4)
YUV	179.0990, -7.4438, -86.0328
Hunter-Lab	78.8435, -49.7598, 21.2899

Details

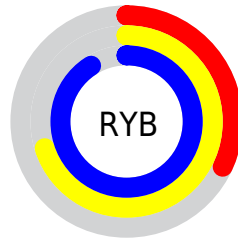
The CIELCh color **83, 59.368, 158.638** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **57, 64.128, 355.187**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 40.465, 169.497**, and **63, 57.264, 157.509** is the 20% darker color. If you saturate the color by 10%, you get **82, 66.169, 156.816**, and if you desaturate by 10%, it is **84, 51.685, 160.252**.

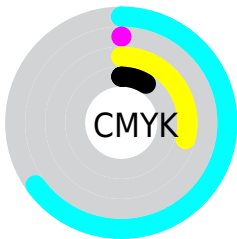
Distribution



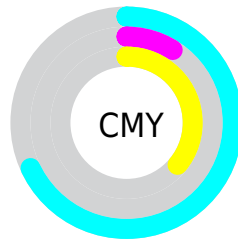
- Red (32%)
- Green (91%)
- Blue (64%)



- Red (32%)
- Yellow (70%)
- Blue (91%)



- Cyan (65%)
- Magenta (0%)
- Yellow (29%)
- Black (9%)





- Cyan (68%)
- Magenta (9%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 59.368, 158.638 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, 59.368, 158.638 by changing the saturation by 10% instead.


 83, 59.368,
158.638

 83, 59.368,
158.638


 100, 59.368,
158.638


 73, 59.368,
158.638

 63, 59.368,
158.638

 53, 59.368,
158.638

 43, 59.368,
158.638

 33, 59.368,
158.638

 23, 59.368,
158.638

 13, 59.368,

158.638

■ 3, 59.368, 158.638

■ 0, 59.368, 158.638

■ 83, 59.368,
158.638

■ 83, 59.368,
158.638

■ 82, 66.169,
156.816

■ 84, 51.685,
160.252

■ 82, 72.031,
154.778

■ 85, 43.238,
161.679

■ 82, 76.990,
152.538

■ 86, 34.183,
162.945

■ 81, 79.207,
151.415


■ 88, 24.690,
164.075


■ 89, 14.923,

165.098

 91, 5.026, 166.075

 93, 4.881, 346.719

 94, 11.451,
335.738

 94, 14.342,
324.918

Harmonies

Complementary

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



83, 59.368, 158.638



57, 64.128, 355.187

Rectangle

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



83, 59.368, 158.638



83, 59.368, 208.638



83, 59.368, 338.638



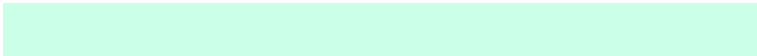
83, 59.368, 28.638

Sweetspot

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



83, 59.369, 158.638



96, 21.329, 164.595



84, 79.810, 127.479



51, 14.527, 164.303



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, 59.369, 158.638



89, 73.272, 156.162



83, 39.130, 200.792



47, 5.578, 165.642



64, 64.545, 151.844



18, 25.021, 156.060

Inverse Universe

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



57, 64.128, 355.187



58, 77.905, 358.799



57, 65.293, 30.672



45, 5.666, 347.196



38, 64.597, 6.642



7, 27.195, 358.701

Previews

White Background



This preview shows how the CIE LCh color 83, 59.368, 158.638 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, 59.368, 158.638 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, 59.368, 158.638

Background



This preview shows how black text looks on a background with the CIELCh color 83, 59.368, 158.638.

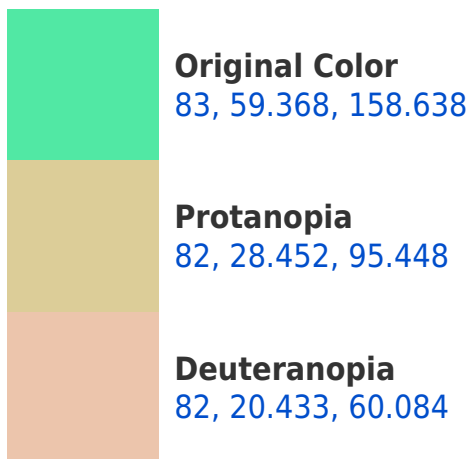


This preview shows how white text looks on a background with the CIELCh color 83, 59.368, 158.638.

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



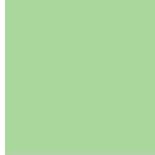


Tritanopia
83, 33.005, 214.333

Trichromacy



Original Color
83, 59.368, 158.638



Protanomaly
82, 35.594, 136.806



Deuteranomaly
81, 24.474, 135.829

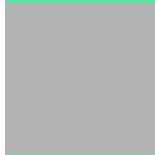


Tritanomaly
83, 38.627, 185.637

Monochromacy



Original Color
83, 59.368, 158.638



Achromatopsia
73, 0.009, 296.813



Achromatomaly
76, 23.739, 164.607

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 59.368, 158.638 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(81, 232, 164)` looks like.

```
.text, #text, p{  
    color:rgb(81, 232, 164)  
}
```

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(81, 232, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 232, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 59.368, 158.638 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(81, 232, 164) }
```

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

```
.border{ border-color:rgb(81, 232, 164) }
```

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

Here you see how a box with a 4 pixel rgb(81, 232, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 232, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 232, 164);  
box-shadow:4px 4px 4px 4px rgb(81, 232,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 59.368, 158.638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 232, 164) }
```

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

```
.background{ background-color: rgb(81, 232,  
164) }
```

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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