

Converting Colors

CIELCh(83, 51.220, 148.130)

Have a look what the booklet for
CIELCh(83, 51.220, 148.130)
contains.

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Color

CIELCh(83, 51.212, 148.069)

Conversions

Conversions Part 1

Format	Color
Hex	84E39A
RGB	132, 227, 154
RGB Percent	52%, 89%, 60%
CMY	0.4824, 0.1099, 0.3961
CMYK	0.42, 0.00, 0.32, 0.11
HSL	134°, 63%, 70%
HSV	134°, 42%, 89%
XYZ	42.8068, 62.1629, 40.3058
YIQ	190.2730, -33.1870, -42.8430

Conversions

Conversions Part 2

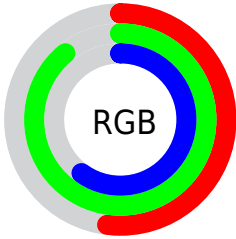
Format	Color
RYB	132, 209, 227
Decimal	8709018
CIELab	83.00, -43.46, 27.09
CIELCh	83, 51.212, 148.069
Yxy	62.1629, 0.2947, 0.4279
Android (android.graphics.Color)	4286899098 (0xFF84E39A)
YUV	190.2730, -17.8826, -51.1054
Hunter-Lab	78.8435, -41.0623, 24.8806

Details

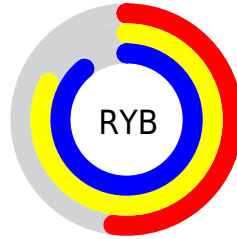
The CIELCh color **83, 51.212, 148.069** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **67, 51.431, 334.539**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 33.264, 152.349**, and **63, 51.368, 147.945** is the 20% darker color. If you saturate the color by 10%, you get **82, 62.625, 146.835**, and if you desaturate by 10%, it is **84, 39.249, 149.140**.

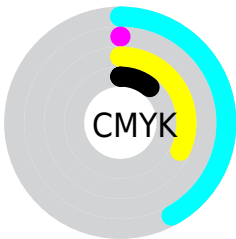
Distribution



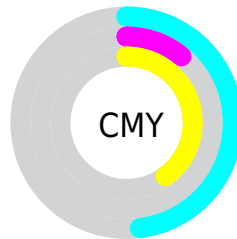
- Red (52%)
- Green (89%)
- Blue (60%)



- Red (52%)
- Yellow (82%)
- Blue (89%)



- Cyan (42%)
- Magenta (0%)
- Yellow (32%)
- Black (11%)





- Cyan (48%)
- Magenta (11%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 51.212, 148.069 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, 51.212, 148.069 by changing the saturation by 10% instead.


 83, 51.212,
148.069


 83, 51.212,
148.069


 100, 51.212,
148.069


 73, 51.212,
148.069

 63, 51.212,
148.069

 53, 51.212,
148.069

 43, 51.212,
148.069

 33, 51.212,
148.069

 23, 51.212,
148.069

 13, 51.212,

148.069

■ 3, 51.212, 148.069

■ 0, 51.212, 148.069

■ 83, 51.212,
148.069

■ 83, 51.212,
148.069

■ 82, 62.625,
146.835

■ 84, 39.249,
149.140

■ 81, 73.224,
145.429

■ 86, 26.972,
150.067

■ 80, 82.749,
143.858

■ 88, 14.588,
150.875

■ 80, 90.963,
142.155

■ 90, 2.261, 151.695

■ 79, 97.677,

■ 92, 9.886, 332.103

140.393

93, 17.516,
325.032

79, 102.014,
139.038

Harmonies

Complementary

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



83, 51.212, 148.069



67, 51.431, 334.539

Rectangle

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



83, 51.212, 148.069



83, 51.212, 198.069



83, 51.212, 328.069



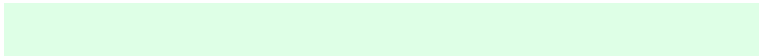
83, 51.212, 18.069

Sweetspot

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



83, 51.213, 148.069



97, 17.592, 150.781



87, 48.939, 115.867



51, 12.321, 150.608



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, 51.213, 148.069



91, 66.525, 147.035



84, 34.641, 172.775



47, 7.043, 151.055



64, 84.660, 139.325



17, 32.585, 143.248

Inverse Universe

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



67, 51.431, 334.539



71, 66.509, 335.198



66, 39.631, 2.373



45, 7.068, 332.234



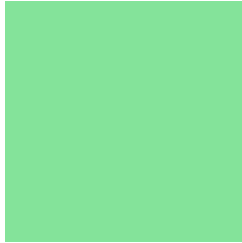
40, 74.025, 340.106



8, 31.865, 337.879

Previews

White Background



This preview shows how the CIELCh color 83, 51.212, 148.069 looks on a white background.

Color Contrast Check

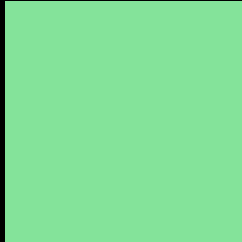
Large Text (above 18pt) WCAG AA × Fail

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, 51.212, 148.069 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, 51.212, 148.069

Background



This preview shows how black text looks on a background with the CIELCh color 83, 51.212, 148.069.



This preview shows how white text looks on a background with the CIELCh color 83, 51.212, 148.069.

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, 51.212, 148.069

Protanopia
83, 32.176, 94.963

Deuteranopia
82, 26.228, 65.982

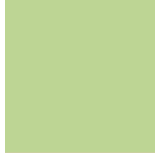


Tritanopia
83, 22.875, 221.404

Trichromacy



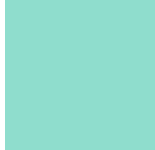
Original Color
83, 51.212, 148.069



Protanomaly
82, 35.148, 122.771



Deuteranomaly
82, 26.339, 113.844

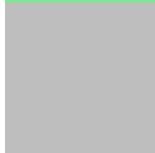


Tritanomaly
83, 27.527, 179.495

Monochromacy



Original Color
83, 51.212, 148.069



Achromatopsia
77, 0.009, 296.813



Achromatomaly
79, 18.809, 150.634

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 51.212, 148.069 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(132, 227, 154)` looks like.

```
.text, #text, p{  
    color:rgb(132, 227, 154)  
}
```

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(132, 227, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 227, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 51.212, 148.069 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(132, 227, 154) }
```

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

```
.border{ border-color:rgb(132, 227, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 227, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 227, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 227, 154);  
box-shadow:4px 4px 4px 4px rgb(132, 227,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 51.212, 148.069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 227, 154) }
```

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

```
.background{ background-color: rgb(132,  
227, 154) }
```

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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