

Converting Colors

CIELCh(83, 51.706, 121.886)

Have a look what the booklet for
CIELCh(83, 51.706, 121.886)
contains.

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Color

CIELCh(83, 51.611, 122.145)

Conversions

Conversions Part 1

Format	Color
Hex	B7DB7A
RGB	183, 219, 122
RGB Percent	72%, 86%, 48%
CMY	0.2822, 0.1410, 0.5214
CMYK	0.16, 0.00, 0.44, 0.14
HSL	82°, 57%, 67%
HSV	82°, 44%, 86%
XYZ	48.3959, 62.1629, 27.8729
YIQ	197.1780, 9.6810, -37.7990

Conversions

Conversions Part 2

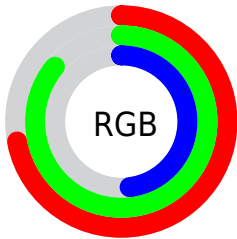
Format	Color
RYB	122, 219, 158
Decimal	12049274
CIELab	83.00, -27.46, 43.70
CIElCh	83, 51.611, 122.145
Yxy	62.1629, 0.3496, 0.4491
Android (android.graphics.Color)	4290239354 (0xFFB7DB7A)
YUV	197.1780, -37.0628, -12.4341
Hunter-Lab	78.8435, -28.4089, 34.2301

Details

The CIELCh color **83, 51.611, 122.145** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **58, 56.207, 307.276**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 40.072, 115.422**, and **63, 51.535, 122.321** is the 20% darker color. If you saturate the color by 10%, you get **82, 62.349, 121.731**, and if you desaturate by 10%, it is **84, 40.319, 122.645**.

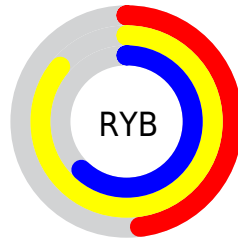
Distribution



Red (72%)

Green (86%)

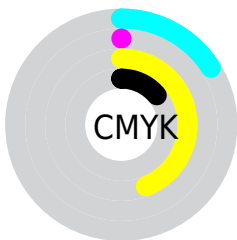
Blue (48%)



Red (48%)

Yellow (86%)

Blue (62%)

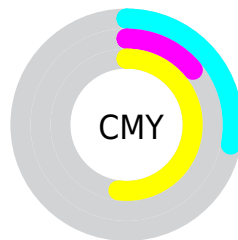


Cyan (16%)

Magenta (0%)

Yellow (44%)

Black (14%)



Cyan (28%)


Magenta (14%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 51.611, 122.145 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, 51.611, 122.145 by changing the saturation by 10% instead.


 83, 51.611,
122.145


 83, 51.611,
122.145


 100, 51.611,
122.145


 73, 51.611,
122.145

 63, 51.611,
122.145

 53, 51.611,
122.145

 43, 51.611,
122.145

 33, 51.611,
122.145

 23, 51.611,
122.145

 13, 51.611,

122.145

■ 3, 51.611, 122.145

■ 0, 51.611, 122.145

■ 83, 51.611,
122.145

■ 83, 51.611,
122.145

■ 82, 62.349,
121.731

■ 84, 40.319,
122.645

■ 82, 72.192,
121.469

■ 85, 28.701,
123.177

■ 81, 80.683,
121.462

■ 86, 16.914,
123.715

■ 80, 87.294,
121.829

■ 87, 5.066, 124.247

■ 80, 91.639,

■ 88, 6.770, 304.715

122.674

89, 18.541,
305.186

80, 93.340,
123.313

90, 20.132,
312.466

91, 21.289,
319.661

91, 22.511,
325.208

Harmonies

Complementary

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



83, 51.611, 122.145



58, 56.207, 307.276

Rectangle

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



83, 51.611, 122.145



83, 51.611, 172.145



83, 51.611, 302.145



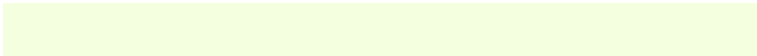
83, 51.611, 352.145

Sweetspot

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



83, 51.613, 122.147



98, 17.414, 123.777



70, 33.302, 56.062



52, 12.184, 123.658



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, 51.613, 122.147



94, 68.963, 121.761



80, 59.368, 137.966



46, 6.727, 123.972



64, 78.254, 123.061



17, 28.158, 123.337

Inverse Universe

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



58, 56.207, 307.276



61, 76.752, 307.967



63, 59.960, 322.776



43, 6.844, 304.939



24, 95.934, 309.420



3, 30.464, 304.634

Previews

White Background



This preview shows how the CIELCh color 83, 51.611, 122.145 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, 51.611, 122.145 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, 51.611, 122.145

Background



This preview shows how black text looks on a background with the CIELCh color 83, 51.611, 122.145.



This preview shows how white text looks on a background with the CIELCh color 83, 51.611, 122.145.

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](#).

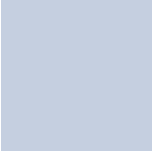
Dichromacy



Original Color
83, 51.611, 122.145

Protanopia
83, 46.747, 95.708

Deuteranopia
83, 43.227, 76.360



Tritanopia
83, 9.564, 269.716

Trichromacy



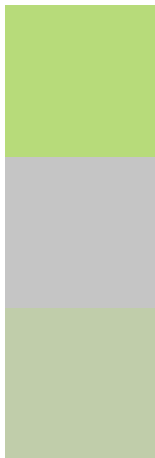
Original Color
83, 51.611, 122.145

Protanomaly
83, 47.202, 106.513

Deuteranomaly
82, 42.407, 95.109

Tritanomaly
83, 14.536, 138.048

Monochromacy



Original Color
83, 51.611, 122.145

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 19.153, 123.579

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 51.611, 122.145 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(183, 219, 122)` looks like.

```
.text, #text, p{  
    color:rgb(183, 219, 122)  
}
```

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(183, 219, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 219, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 51.611, 122.145 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(183, 219, 122) }
```

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

```
.border{ border-color:rgb(183, 219, 122) }
```

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

Here you see how a box with a 4 pixel rgb(183, 219, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 219, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 219, 122);  
box-shadow:4px 4px 4px 4px rgb(183, 219,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 51.611, 122.145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 219, 122) }
```

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

```
.background{ background-color: rgb(183,  
219, 122) }
```

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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