

Converting Colors

CIELCh(83, 42.764, 126.543)

Have a look what the booklet for
CIELCh(83, 42.764, 126.543)
contains.

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Color

CIELCh(83, 42.417, 126.712)

Conversions

Conversions Part 1

Format	Color
Hex	B5DA8D
RGB	181, 218, 141
RGB Percent	71%, 85%, 55%
CMY	0.2886, 0.1435, 0.4455
CMYK	0.17, 0.00, 0.35, 0.14
HSL	89°, 51%, 71%
HSV	89°, 35%, 86%
XYZ	49.1649, 62.1629, 34.7570
YIQ	198.1590, 2.6650, -31.7910

Conversions

Conversions Part 2

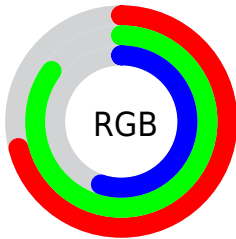
Format	Color
RYB	141, 218, 178
Decimal	11917965
CIELab	83.00, -25.36, 34.00
CIELCh	83, 42.417, 126.712
Yxy	62.1629, 0.3366, 0.4255
Android (android.graphics.Color)	4290108045 (0xFFB5DA8D)
YUV	198.1590, -28.1794, -15.0484
Hunter-Lab	78.8435, -26.6678, 29.0533

Details

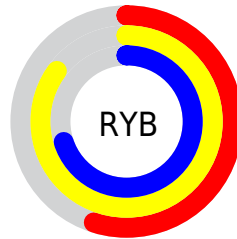
The CIELCh color $83, 42.417, 126.712$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $65, 44.709, 310.182$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $97, 30.967, 119.761$, and $63, 42.300, 126.768$ is the 20% darker color. If you saturate the color by 10%, you get $82, 53.994, 126.252$, and if you desaturate by 10%, it is $84, 30.517, 127.204$.

Distribution



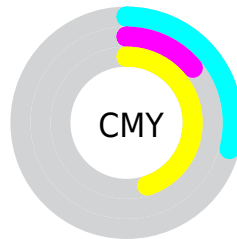
- Red (71%)
- Green (85%)
- Blue (55%)



- Red (55%)
- Yellow (85%)
- Blue (70%)



- Cyan (17%)
- Magenta (0%)
- Yellow (35%)
- Black (14%)





- Cyan (29%)
- Magenta (14%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 42.417, 126.712 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, 42.417, 126.712 by changing the saturation by 10% instead.


 83, 42.417,
126.712


 83, 42.417,
126.712


 100, 42.417,
126.712


 73, 42.417,
126.712

 63, 42.417,
126.712

 53, 42.417,
126.712

 43, 42.417,
126.712

 33, 42.417,
126.712

 23, 42.417,
126.712

 13, 42.417,

126.712

■ 3, 42.417, 126.712

■ 0, 42.417, 126.712

■ 83, 42.417,
126.712

■ 83, 42.417,
126.712

■ 82, 53.994,
126.252

■ 84, 30.517,
127.204

■ 81, 64.997,
125.868

■ 85, 18.456,
127.692

■ 80, 75.079,
125.640

■ 86, 6.353, 128.170

■ 80, 83.768,
125.677

■ 88, 5.711, 308.565

■ 89, 17.678,
308.979

■ 79, 90.542,

126.108

90, 21.117,
316.636

79, 95.034,
127.031

91, 22.883,
325.123

78, 96.605,
127.566

91, 22.908,
325.222

Harmonies

Complementary

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



83, 42.417, 126.712



65, 44.709, 310.182

Rectangle

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



83, 42.417, 126.712



83, 42.417, 176.712



83, 42.417, 306.712



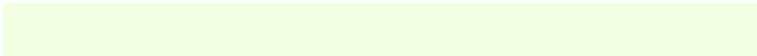
83, 42.417, 356.712

Sweetspot

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



83, 42.419, 126.714



98, 15.071, 127.892



75, 25.989, 67.541



52, 10.128, 127.827



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, 42.419, 126.714



94, 56.970, 126.380



81, 49.021, 141.100



46, 6.880, 127.971



64, 81.124, 127.308



16, 29.121, 127.710

Inverse Universe

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



65, 44.709, 310.182



70, 60.775, 310.587



69, 49.082, 325.372



43, 6.978, 308.805



26, 93.796, 311.515



3, 31.096, 308.621

Previews

White Background



This preview shows how the CIELCh color 83, 42.417, 126.712 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, 42.417, 126.712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

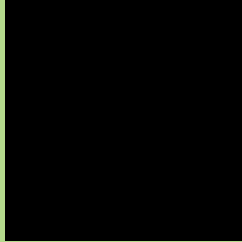
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 42.417, 126.712

Background



This preview shows how black text looks on a background with the CIELCh color 83, 42.417, 126.712.



This preview shows how white text looks on a background with the CIELCh color 83, 42.417, 126.712.

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](#).

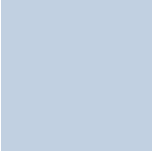
Dichromacy



Original Color
83, 42.417, 126.712

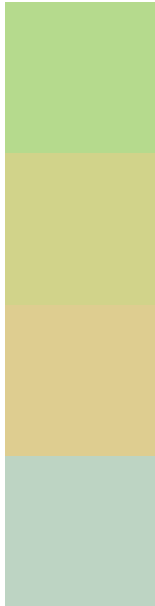
Protanopia
83, 37.251, 95.454

Deuteranopia
83, 33.721, 71.865



Tritanopia
83, 10.256, 260.731

Trichromacy



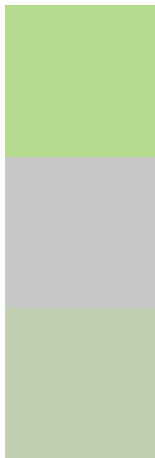
Original Color
83, 42.417, 126.712

Protanomaly
83, 37.838, 108.070

Deuteranomaly
82, 32.679, 95.094

Tritanomaly
83, 12.355, 152.032

Monochromacy



Original Color
83, 42.417, 126.712

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 15.609, 127.193

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 42.417, 126.712 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(181, 218, 141)` looks like.

```
.text, #text, p{  
    color:rgb(181, 218, 141)  
}
```

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(181, 218, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 218, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 42.417, 126.712 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(181, 218, 141) }
```

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

```
.border{ border-color:rgb(181, 218, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 218, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 218, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 218, 141);  
box-shadow:4px 4px 4px 4px rgb(181, 218,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 42.417, 126.712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 218, 141) }
```

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

```
.background{ background-color: rgb(181,  
218, 141) }
```

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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