

Converting Colors

CIELCh(83, 46.996, 122.830)

Have a look what the booklet for
CIELCh(83, 46.996, 122.830)
contains.

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Color

CIELCh(83, 46.625, 122.678)

Conversions

Conversions Part 1

Format	Color
Hex	B9DA83
RGB	185, 218, 131
RGB Percent	73%, 85%, 51%
CMY	0.2741, 0.1447, 0.4859
CMYK	0.15, 0.00, 0.40, 0.14
HSL	83°, 54%, 68%
HSV	83°, 40%, 86%
XYZ	49.2322, 62.1629, 30.9099
YIQ	198.2150, 8.2590, -34.0530

Conversions

Conversions Part 2

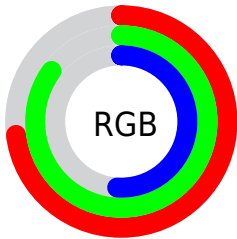
Format	Color
RYB	131, 218, 164
Decimal	12180099
CIELab	83.00, -25.17, 39.25
CIElCh	83, 46.625, 122.678
Yxy	62.1629, 0.3460, 0.4368
Android (android.graphics.Color)	4290370179 (0xFFB9DA83)
YUV	198.2150, -33.1370, -11.5896
Hunter-Lab	78.8435, -26.5155, 31.9463

Details

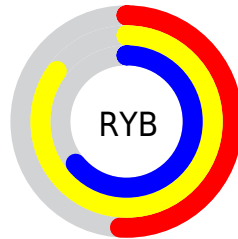
The CIELCh color $83, 46.625, 122.678$ is a light color, and the websafe version is hex $99CC66$. A complement of this color would be $61, 50.221, 307.208$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $98, 35.574, 115.495$, and $63, 46.603, 122.941$ is the 20% darker color. If you saturate the color by 10%, you get $82, 57.630, 122.225$, and if you desaturate by 10%, it is $84, 35.183, 123.193$.

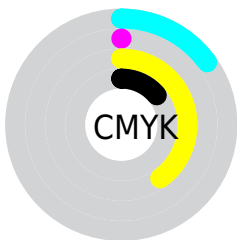
Distribution



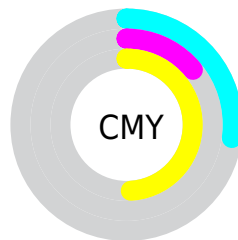
- Red (73%)
- Green (85%)
- Blue (51%)



- Red (51%)
- Yellow (85%)
- Blue (64%)



- Cyan (15%)
- Magenta (0%)
- Yellow (40%)
- Black (14%)




- Cyan (27%)
- Magenta (14%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 46.625, 122.678 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, 46.625, 122.678 by changing the saturation by 10% instead.

 83, 46.625,
122.678


 83, 46.625,
122.678


 100, 46.625,
122.678


 73, 46.625,
122.678

 63, 46.625,
122.678

 53, 46.625,
122.678

 43, 46.625,
122.678

 33, 46.625,
122.678

 23, 46.625,
122.678

 13, 46.625,

122.678

■ 3, 46.625, 122.678

■ 0, 46.625, 122.678

■ 83, 46.625,
122.678

■ 83, 46.625,
122.678

■ 82, 57.630,
122.225

■ 84, 35.183,
123.193

■ 81, 67.906,
121.888

■ 85, 23.494,
123.726

■ 81, 77.052,
121.758

■ 86, 11.691,
124.254

■ 80, 84.558,
121.950

■ 87, 0.136, 304.151

■ 80, 89.941,

■ 88, 11.924,
305.221

122.582

89, 20.140,
308.038

79, 93.257,
123.648

90, 21.118,
315.547

79, 93.290,
123.660

91, 22.423,
322.395

91, 23.103,
325.229

Harmonies

Complementary

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



83, 46.625, 122.678



61, 50.221, 307.208

Rectangle

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



83, 46.625, 122.678



83, 46.625, 172.678



83, 46.625, 302.678



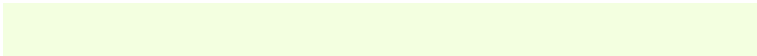
83, 46.625, 352.678

Sweetspot

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



83, 46.627, 122.680



98, 16.099, 124.138



71, 29.437, 56.387



52, 10.678, 124.069



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, 46.627, 122.680



95, 63.070, 122.286



81, 53.515, 138.309



46, 6.738, 124.278



64, 78.463, 123.410



17, 28.226, 123.689

Inverse Universe

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



61, 50.221, 307.208



65, 69.250, 307.835



65, 54.039, 322.598



43, 6.853, 305.233



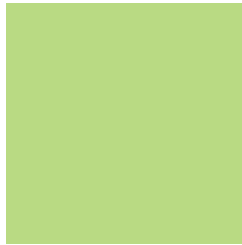
24, 95.780, 309.556



3, 30.502, 304.909

Previews

White Background



This preview shows how the CIELCh color 83, 46.625, 122.678 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, 46.625, 122.678 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, 46.625, 122.678

Background



This preview shows how black text looks on a background with the CIELCh color 83, 46.625, 122.678.

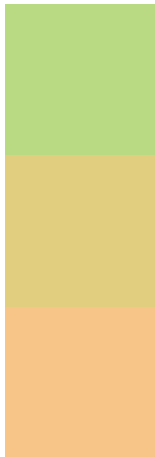


This preview shows how white text looks on a background with the CIELCh color 83, 46.625, 122.678.

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](#).

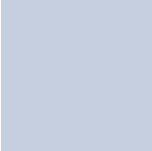
Dichromacy



Original Color
83, 46.625, 122.678

Protanopia
83, 41.795, 95.616

Deuteranopia
83, 38.928, 74.129



Tritanopia
83, 9.453, 271.670

Trichromacy



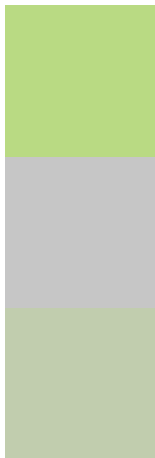
Original Color
83, 46.625, 122.678

Protanomaly
83, 42.342, 106.429

Deuteranomaly
83, 37.966, 94.301

Tritanomaly
83, 12.969, 140.020

Monochromacy



Original Color
83, 46.625, 122.678

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 17.019, 124.274

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 46.625, 122.678 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(185, 218, 131)` looks like.

```
.text, #text, p{  
    color:rgb(185, 218, 131)  
}
```

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(185, 218, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 218, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 46.625, 122.678 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(185, 218, 131) }
```

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

```
.border{ border-color:rgb(185, 218, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 218, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 218, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 218, 131); box-shadow:4px 4px 4px 4px rgb(185, 218, 131) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 46.625, 122.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 218, 131) }
```

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

```
.background{ background-color: rgb(185,  
218, 131) }
```

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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