

Converting Colors

CIELCh(83, 23.313, 116.566)

Have a look what the booklet for
CIELCh(83, 23.313, 116.566)
contains.

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Color

CIELCh(83, 23.304, 116.756)

Conversions

Conversions Part 1

Format	Color
Hex	CAD3A7
RGB	202, 211, 167
RGB Percent	79%, 83%, 65%
CMY	0.2065, 0.1712, 0.3438
CMYK	0.04, 0.00, 0.21, 0.17
HSL	72°, 34%, 74%
HSV	72°, 21%, 83%
XYZ	54.8324, 62.1629, 45.8256
YIQ	203.2930, 8.7600, -15.5920

Conversions

Conversions Part 2

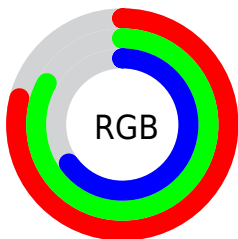
Format	Color
RYB	167, 211, 176
Decimal	13292455
CIELab	83.00, -10.49, 20.81
CIELCh	83, 23.304, 116.756
Yxy	62.1629, 0.3368, 0.3818
Android (android.graphics.Color)	4291482535 (0xFFCAD3A7)
YUV	203.2930, -17.8924, -1.1340
Hunter-Lab	78.8435, -13.8366, 20.7298

Details

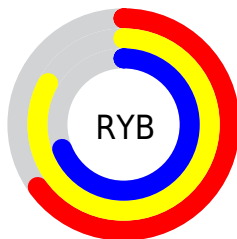
The CIELCh color **83, 23.304, 116.756** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **71, 24.368, 299.771**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 16.691, 108.916**, and **63, 23.470, 116.794** is the 20% darker color. If you saturate the color by 10%, you get **82, 34.313, 116.076**, and if you desaturate by 10%, it is **84, 12.146, 117.445**.

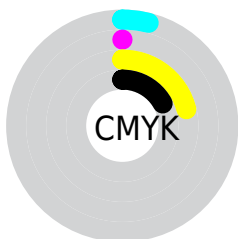
Distribution



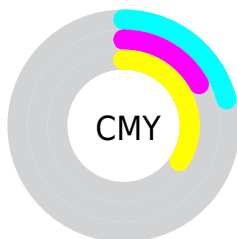
- Red (79%)
- Green (83%)
- Blue (65%)



- Red (65%)
- Yellow (83%)
- Blue (69%)



- Cyan (4%)
- Magenta (0%)
- Yellow (21%)
- Black (17%)





- Cyan (21%)
- Magenta (17%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 23.304, 116.756 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, 23.304, 116.756 by changing the saturation by 10% instead.


 83, 23.304,
116.756


 83, 23.304,
116.756


 100, 23.304,
116.756


 73, 23.304,
116.756

 63, 23.304,
116.756

 53, 23.304,
116.756

 43, 23.304,
116.756

 33, 23.304,
116.756

 23, 23.304,
116.756

 13, 23.304,

116.756

■ 3, 23.304, 116.756

■ 0, 23.304, 116.756

■ 83, 23.304,
116.756

■ 83, 23.304,
116.756

■ 82, 34.313,
116.076

■ 84, 12.146,
117.445

■ 82, 45.037,
115.420

■ 85, 0.920, 118.130

■ 81, 55.284,
114.827

■ 86, 10.314,
298.761

■ 81, 64.762,
114.350

■ 86, 21.515,
299.377

■ 80, 73.060,

■ 87, 23.371,
302.489

114.062

87, 23.684,
305.992

80, 79.667,
114.054

88, 24.081,
309.422

79, 84.121,
114.415

88, 24.559,
312.758

79, 86.451,
115.056

88, 25.116,
315.983

Harmonies

Complementary

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



83, 23.304, 116.756



71, 24.368, 299.771

Rectangle

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



83, 23.304, 116.756



83, 23.304, 166.756



83, 23.304, 296.756



83, 23.304, 346.756

Sweetspot

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



83, 23.306, 116.760



99, 7.839, 117.768



75, 14.672, 39.164



53, 5.200, 117.724



0, 0.000, 0.000



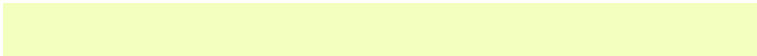
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83, 23.306, 116.760



98, 32.515, 116.455



81, 26.002, 134.787



44, 6.311, 117.542



64, 72.911, 114.880



15, 23.996, 116.370

Inverse Universe

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



71, 24.368, 299.771



80, 34.355, 300.178



73, 26.412, 316.614



40, 6.441, 298.833



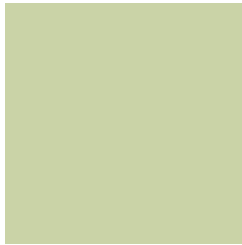
21, 96.430, 307.345



2, 25.788, 298.378

Previews

White Background



This preview shows how the CIELCh color 83, 23.304, 116.756 looks on a white background.

Color Contrast Check

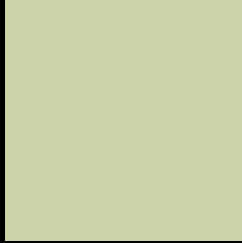
Large Text (above 18pt) WCAG AA × Fail

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, 23.304, 116.756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

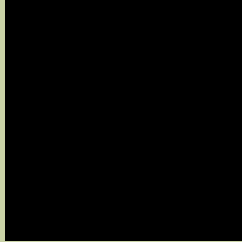
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

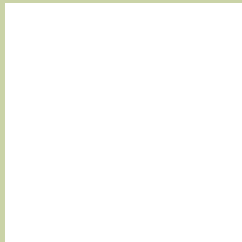
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 23.304, 116.756

Background



This preview shows how black text looks on a background with the CIELCh color 83, 23.304, 116.756.

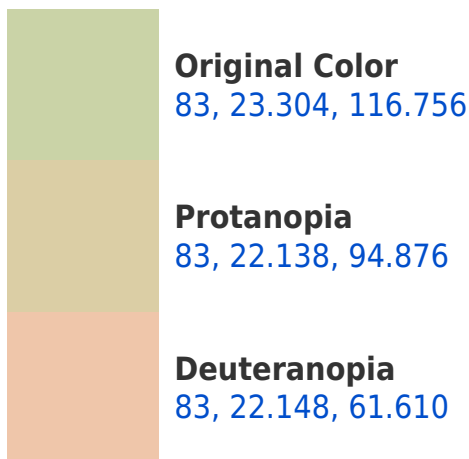



This preview shows how white text looks on a background with the CIELCh color 83, 23.304, 116.756.

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](#).

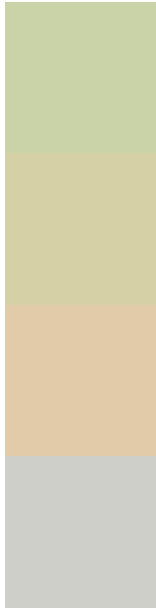
Dichromacy





Tritanopia
83, 8.766, 304.956

Trichromacy



Original Color
83, 23.304, 116.756

Protanomaly
83, 22.102, 103.147

Deuteranomaly
83, 20.118, 81.801

Tritanomaly
83, 3.155, 109.881

Monochromacy



Original Color
83, 23.304, 116.756

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 8.574, 119.437

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 23.304, 116.756 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(202, 211, 167)` looks like.

```
.text, #text, p{  
    color:rgb(202, 211, 167)  
}
```

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(202, 211, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 211, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 23.304, 116.756 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(202, 211, 167) }
```

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

```
.border{ border-color:rgb(202, 211, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 211, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 211, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 211, 167);  
box-shadow:4px 4px 4px 4px rgb(202, 211,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 23.304, 116.756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 211, 167) }
```

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

```
.background{ background-color: rgb(202,  
211, 167) }
```

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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