

Converting Colors

CIELCh(83, 21.890, 137.087)

Have a look what the booklet for
CIELCh(83, 21.890, 137.087)
contains.

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Color

CIELCh(83, 22.145, 136.705)

Conversions

Conversions Part 1

Format	Color
Hex	BBD7B2
RGB	187, 215, 178
RGB Percent	73%, 84%, 70%
CMY	0.2679, 0.1581, 0.3032
CMYK	0.13, 0.00, 0.17, 0.16
HSL	105°, 31%, 77%
HSV	105°, 17%, 84%
XYZ	52.6387, 62.1629, 51.1790
YIQ	202.4100, -4.8110, -17.4430

Conversions

Conversions Part 2

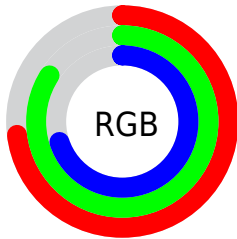
Format	Color
RYB	178, 215, 206
Decimal	12310450
CIELab	83.00, -16.12, 15.19
CIELCh	83, 22.145, 136.705
Yxy	62.1629, 0.3171, 0.3745
Android (android.graphics.Color)	4290500530 (0xFFBBD7B2)
YUV	202.4100, -12.0341, -13.5146
Hunter-Lab	78.8435, -18.8032, 16.7040

Details

The CIELCh color $83, 22.145, 136.705$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $76, 22.378, 318.240$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 11.522, 131.187$, and $63, 22.055, 136.064$ is the 20% darker color. If you saturate the color by 10%, you get $82, 35.032, 136.155$, and if you desaturate by 10%, it is $85, 9.253, 137.209$.

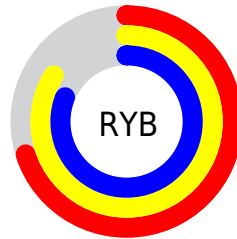
Distribution



Red (73%)

Green (84%)

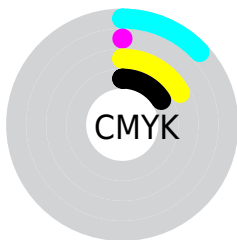
Blue (70%)



Red (70%)

Yellow (84%)

Blue (81%)

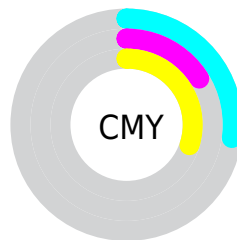


Cyan (13%)

Magenta (0%)

Yellow (17%)

Black (16%)



Cyan (27%)


Magenta (16%)


Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 22.145, 136.705 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, 22.145, 136.705 by changing the saturation by 10% instead.


 83, 22.145,
136.705


 83, 22.145,
136.705


 100, 22.145,
136.705


 73, 22.145,
136.705

 63, 22.145,
136.705

 53, 22.145,
136.705

 43, 22.145,
136.705

 33, 22.145,
136.705

 23, 22.145,
136.705

 13, 22.145,

136.705

■ 3, 22.145, 136.705

■ 0, 22.145, 136.705

■ 83, 22.145,
136.705

■ 83, 22.145,
136.705

■ 82, 35.032,
136.155

■ 85, 9.253, 137.209

■ 80, 47.743,
135.558

■ 86, 3.533, 317.559

■ 79, 60.056,
134.936

■ 88, 16.129,
317.979

■ 78, 71.661,
134.336

■ 90, 24.651,
322.984

■ 77, 82.143,

■ 90, 25.260,
325.304

133.835

■ 77, 90.978,
133.547

■ 76, 97.618,
133.601

■ 76, 101.768,
134.061

■ 76, 102.658,
134.190

Harmonies

Complementary

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



83, 22.145, 136.705



76, 22.378, 318.240

Rectangle

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



83, 22.145, 136.705



83, 22.145, 186.705



83, 22.145, 316.705



83, 22.145, 6.705

Sweetspot

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



83, 22.147, 136.706



99, 7.344, 137.318



83, 15.026, 95.163



53, 5.014, 137.282



0, 0.000, 0.000



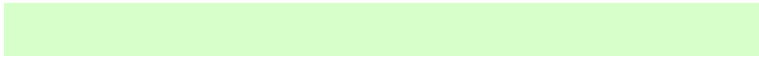
53, 0.007, 296.813

Same Dimension

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



83, 22.147, 136.706



96, 31.060, 136.493



83, 20.035, 151.125



44, 7.258, 137.102



61, 86.402, 134.019



15, 30.019, 136.227

Inverse Universe

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



76, 22.378, 318.240



86, 31.450, 318.417



76, 20.142, 333.464



42, 7.306, 317.890



33, 87.804, 319.266



4, 31.147, 319.016

Previews

White Background



This preview shows how the CIELCh color 83, 22.145, 136.705 looks on a white background.

Color Contrast Check

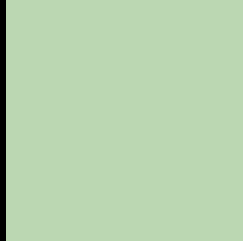
Large Text (above 18pt) WCAG AA × Fail

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, 22.145, 136.705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

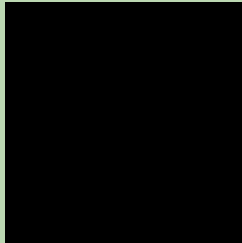
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 22.145, 136.705

Background



This preview shows how black text looks on a background with the CIELCh color 83, 22.145, 136.705.

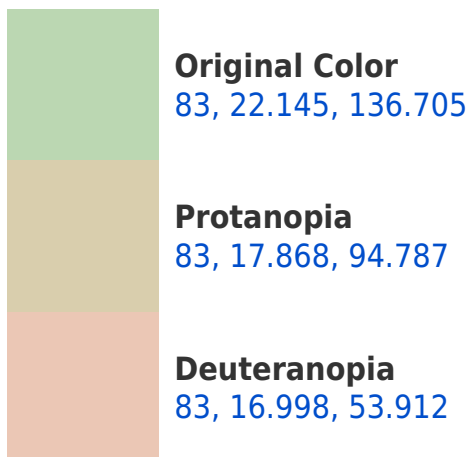


This preview shows how white text looks on a background with the CIELCh color 83, 22.145, 136.705.

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, 10.098, 262.416

Trichromacy



Original Color
83, 22.145, 136.705

Protanomaly
83, 17.887, 112.298

Deuteranomaly
83, 13.945, 89.685

Tritanomaly
83, 6.862, 190.098

Monochromacy



Original Color
83, 22.145, 136.705

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 8.471, 138.105

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 22.145, 136.705 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(187, 215, 178)` looks like.

```
.text, #text, p{  
    color:rgb(187, 215, 178)  
}
```

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(187, 215, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 215, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 22.145, 136.705 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(187, 215, 178) }
```

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

```
.border{ border-color:rgb(187, 215, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 215, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 215, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 215, 178);  
box-shadow:4px 4px 4px 4px rgb(187, 215,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 22.145, 136.705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 215, 178) }
```

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

```
.background{ background-color: rgb(187,  
215, 178) }
```

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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