

Converting Colors

CIELCh(83, 33.334, 128.147)

Have a look what the booklet for
CIELCh(83, 33.334, 128.147)
contains.

CIELCh(83, 32.904, 128.105)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(83, 32.904, 128.105)

Conversions

Conversions Part 1

Format	Color
Hex	BAD89D
RGB	186, 216, 157
RGB Percent	73%, 85%, 62%
CMY	0.2696, 0.1519, 0.3833
CMYK	0.14, 0.00, 0.27, 0.15
HSL	91°, 43%, 73%
HSV	91°, 27%, 85%
XYZ	51.0446, 62.1629, 41.3199
YIQ	200.3040, 1.0590, -24.7090

Conversions

Conversions Part 2

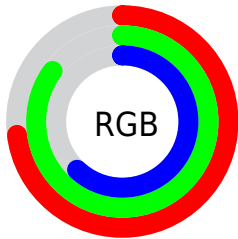
Format	Color
RYB	157, 216, 187
Decimal	12245149
CIELab	83.00, -20.31, 25.89
CIElCh	83, 32.904, 128.105
Yxy	62.1629, 0.3303, 0.4023
Android (android.graphics.Color)	4290435229 (0xFFBAD89D)
YUV	200.3040, -21.3489, -12.5446
Hunter-Lab	78.8435, -22.4121, 24.1181

Details

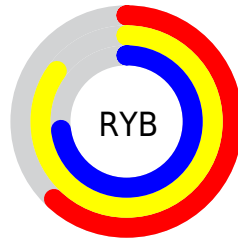
The CIELCh color **83, 32.904, 128.105** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **69, 34.152, 310.667**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 22.225, 120.001**, and **63, 32.978, 128.107** is the 20% darker color. If you saturate the color by 10%, you get **82, 44.758, 127.622**, and if you desaturate by 10%, it is **84, 20.872, 128.592**.

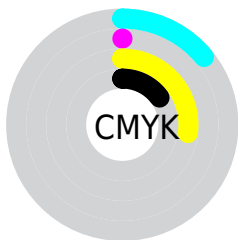
Distribution



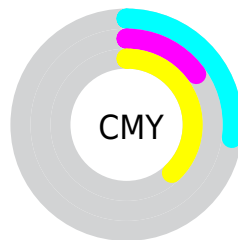
- Red (73%)
- Green (85%)
- Blue (62%)



- Red (62%)
- Yellow (85%)
- Blue (73%)



- Cyan (14%)
- Magenta (0%)
- Yellow (27%)
- Black (15%)





- Cyan (27%)
- Magenta (15%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 32.904, 128.105 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, 32.904, 128.105 by changing the saturation by 10% instead.


 83, 32.904,
128.105


 83, 32.904,
128.105


 100, 32.904,
128.105


 73, 32.904,
128.105

 63, 32.904,
128.105

 53, 32.904,
128.105

 43, 32.904,
128.105

 33, 32.904,
128.105

 23, 32.904,
128.105

 13, 32.904,

128.105

■ 3, 32.904, 128.105

■ 0, 32.904, 128.105

■ 83, 32.904,
128.105

■ 83, 32.904,
128.105

■ 82, 44.758,
127.622

■ 84, 20.872,
128.592

■ 81, 56.247,
127.169

■ 85, 8.783, 129.062

■ 80, 67.109,
126.804

■ 87, 3.272, 309.439

■ 79, 76.970,
126.610

■ 88, 15.231,
309.864

■ 79, 85.346,

■ 89, 22.027,
314.602

126.702

90, 23.750,
323.278

78, 91.722,
127.209

91, 24.259,
325.269

78, 95.844,
128.201

77, 96.761,
128.492

Harmonies

Complementary

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



83, 32.904, 128.105



69, 34.152, 310.667

Rectangle

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



83, 32.904, 128.105



83, 32.904, 178.105



83, 32.904, 308.105



83, 32.904, 358.105

Sweetspot

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



83, 32.906, 128.107



99, 11.023, 129.025



78, 19.817, 72.026



53, 7.837, 128.954



0, 0.000, 0.000



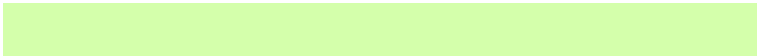
53, 0.007, 296.813

Same Dimension

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



83, 32.906, 128.107



95, 45.379, 127.813



81, 38.154, 142.576



45, 6.791, 128.963



62, 80.954, 128.228



15, 27.826, 129.273

Inverse Universe

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



69, 34.152, 310.667



76, 47.523, 310.988



72, 38.158, 325.922



42, 6.883, 309.772



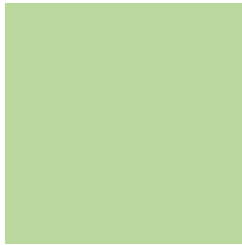
27, 92.208, 312.158



3, 29.031, 308.742

Previews

White Background



This preview shows how the CIELCh color 83, 32.904, 128.105 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, 32.904, 128.105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

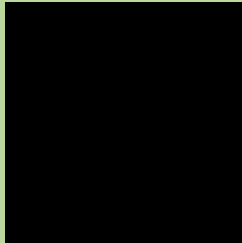
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 32.904, 128.105

Background



This preview shows how black text looks on a background with the CIELCh color 83, 32.904, 128.105.



This preview shows how white text looks on a background with the CIELCh color 83, 32.904, 128.105.

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, 32.904, 128.105

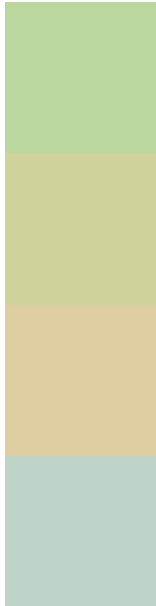
Protanopia
83, 28.427, 95.464

Deuteranopia
83, 26.326, 67.320



Tritanopia
83, 9.337, 264.492

Trichromacy



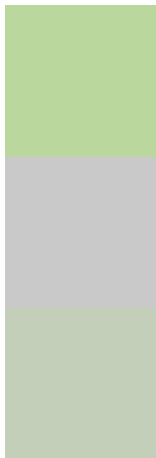
Original Color
83, 32.904, 128.105

Protanomaly
83, 28.718, 109.228

Deuteranomaly
83, 24.494, 93.002

Tritanomaly
83, 9.065, 158.971

Monochromacy



Original Color
83, 32.904, 128.105

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 12.348, 128.608

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 32.904, 128.105 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(186, 216, 157)` looks like.

```
.text, #text, p{  
    color:rgb(186, 216, 157)  
}
```

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(186, 216, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 216, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 32.904, 128.105 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(186, 216, 157) }
```

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

```
.border{ border-color:rgb(186, 216, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 216, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 216, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 216, 157);  
box-shadow:4px 4px 4px 4px rgb(186, 216,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 32.904, 128.105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 216, 157) }
```

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

```
.background{ background-color: rgb(186,  
216, 157) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor