

Converting Colors

CIELCh(83, 32.163, 128.298)

Have a look what the booklet for
CIELCh(83, 32.163, 128.298)
contains.

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Color

CIELCh(83, 31.799, 128.161)

Conversions

Conversions Part 1

Format	Color
Hex	BBD89F
RGB	187, 216, 159
RGB Percent	73%, 85%, 62%
CMY	0.2668, 0.1530, 0.3766
CMYK	0.13, 0.00, 0.26, 0.15
HSL	91°, 42%, 74%
HSV	91°, 26%, 85%
XYZ	51.2928, 62.1629, 42.0853
YIQ	200.8310, 1.0130, -23.8750

Conversions

Conversions Part 2

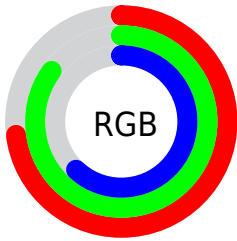
Format	Color
RYB	159, 216, 188
Decimal	12310687
CIELab	83.00, -19.65, 25.00
CIELCh	83, 31.799, 128.161
Yxy	62.1629, 0.3298, 0.3997
Android (android.graphics.Color)	4290500767 (0xFFBBD89F)
YUV	200.8310, -20.6227, -12.1298
Hunter-Lab	78.8435, -21.8503, 23.5424

Details

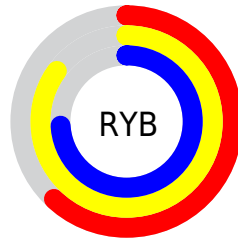
The CIELCh color **83, 31.799, 128.161** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **70, 32.961, 310.632**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 21.160, 119.623**, and **63, 31.825, 128.189** is the 20% darker color. If you saturate the color by 10%, you get **82, 43.664, 127.677**, and if you desaturate by 10%, it is **84, 19.770, 128.646**.

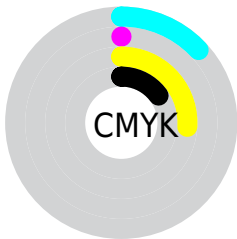
Distribution



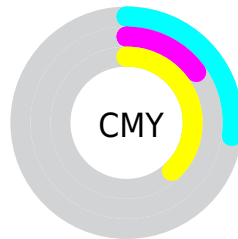
- Red (73%)
- Green (85%)
- Blue (62%)



- Red (62%)
- Yellow (85%)
- Blue (74%)



- Cyan (13%)
- Magenta (0%)
- Yellow (26%)
- Black (15%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 31.799, 128.161 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, 31.799, 128.161 by changing the saturation by 10% instead.


 83, 31.799,
128.161


 83, 31.799,
128.161


 100, 31.799,
128.161


 73, 31.799,
128.161

 63, 31.799,
128.161

 53, 31.799,
128.161

 43, 31.799,
128.161

 33, 31.799,
128.161

 23, 31.799,
128.161

 13, 31.799,

128.161

■ 3, 31.799, 128.161

■ 0, 31.799, 128.161

■ 83, 31.799,
128.161

■ 83, 31.799,
128.161

■ 82, 43.664,
127.677

■ 84, 19.770,
128.646

■ 81, 55.184,
127.220

■ 85, 7.693, 129.116

■ 80, 66.104,
126.843

■ 87, 4.344, 309.497

■ 79, 76.065,
126.629

■ 88, 16.280,
309.910

■ 79, 84.588,

■ 89, 22.300,
315.254

126.690

90, 24.054,
323.786

78, 91.156,
127.155

91, 24.442,
325.276

78, 95.452,
128.111

77, 96.672,
128.502

Harmonies

Complementary

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



83, 31.799, 128.161



70, 32.961, 310.632

Rectangle

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



83, 31.799, 128.161



83, 31.799, 178.161



83, 31.799, 308.161



83, 31.799, 358.161

Sweetspot

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



83, 31.801, 128.163



99, 11.024, 129.037



78, 19.104, 72.139



53, 7.838, 128.966



0, 0.000, 0.000



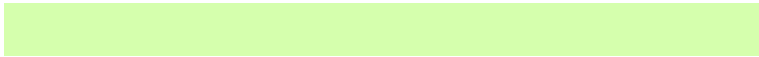
53, 0.007, 296.813

Same Dimension

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



83, 31.801, 128.163



95, 44.029, 127.874



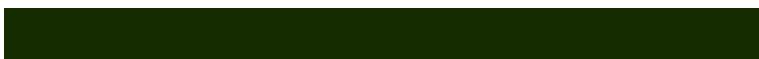
81, 36.866, 142.652



45, 6.792, 128.975



62, 80.962, 128.239



15, 27.829, 129.285

Inverse Universe

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



70, 32.961, 310.632



77, 46.036, 310.945



72, 36.874, 325.874



42, 6.883, 309.783



27, 92.202, 312.165



3, 29.033, 308.755

Previews

White Background



This preview shows how the CIELCh color 83, 31.799, 128.161 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, 31.799, 128.161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

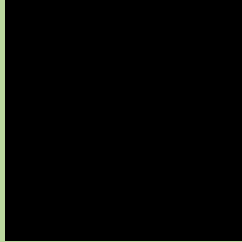
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 31.799, 128.161

Background



This preview shows how black text looks on a background with the CIELCh color 83, 31.799, 128.161.



This preview shows how white text looks on a background with the CIELCh color 83, 31.799, 128.161.

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](#).

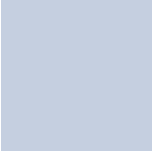
Dichromacy



Original Color
83, 31.799, 128.161

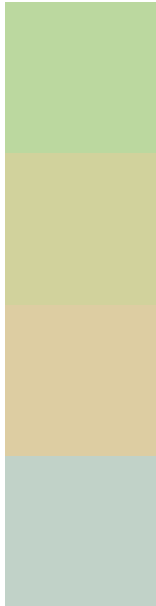
Protanopia
83, 27.412, 95.133

Deuteranopia
83, 25.503, 65.939



Tritanopia
83, 9.564, 269.716

Trichromacy



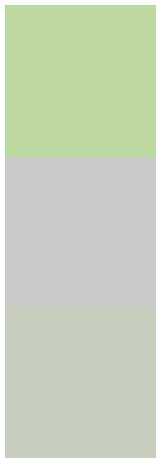
Original Color
83, 31.799, 128.161

Protanomaly
83, 28.193, 108.498

Deuteranomaly
83, 23.483, 92.479

Tritanomaly
83, 8.171, 158.611

Monochromacy



Original Color
83, 31.799, 128.161

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 11.233, 128.651

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 31.799, 128.161 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, 216, 159)` looks like.

```
.text, #text, p{  
    color:rgb(187, 216, 159)  
}
```

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, 216, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 216, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 31.799, 128.161 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, 216, 159) }
```

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

```
.border{ border-color:rgb(187, 216, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 216, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 216, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 216, 159); box-shadow:4px 4px 4px 4px rgb(187, 216, 159) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 31.799, 128.161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 216, 159) }
```

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

```
.background{ background-color: rgb(187,  
216, 159) }
```

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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