

Converting Colors

CIELCh(81, 21.998, 127.979)

Have a look what the booklet for
CIELCh(81, 21.998, 127.979)
contains.

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Color

CIELCh(81, 22.447, 128.199)

Conversions

Conversions Part 1

Format	Color
Hex	BCD0A8
RGB	188, 208, 168
RGB Percent	74%, 82%, 66%
CMY	0.2637, 0.1853, 0.3421
CMYK	0.10, 0.00, 0.19, 0.19
HSL	90°, 30%, 74%
HSV	90°, 19%, 81%
XYZ	50.2215, 58.4711, 45.5694
YIQ	197.4600, 0.9200, -16.6800

Conversions

Conversions Part 2

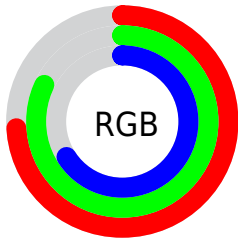
Format	Color
RYB	168, 208, 188
Decimal	12374184
CIELab	81.00, -13.88, 17.64
CIELCh	81, 22.447, 128.199
Yxy	58.4711, 0.3256, 0.3790
Android (android.graphics.Color)	4290564264 (0xFFBCD0A8)
YUV	197.4600, -14.5238, -8.2964
Hunter-Lab	76.4664, -16.5813, 18.1932

Details

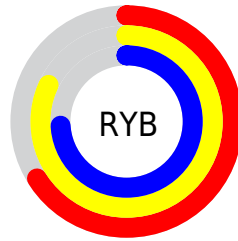
The CIELCh color **81, 22.447, 128.199** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **72, 23.045, 309.965**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 16.726, 122.763**, and **61, 22.685, 128.891** is the 20% darker color. If you saturate the color by 10%, you get **80, 34.047, 127.715**, and if you desaturate by 10%, it is **82, 10.776, 128.675**.

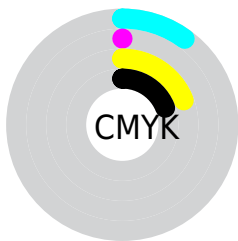
Distribution



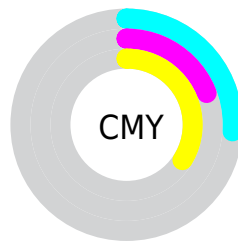
- Red (74%)
- Green (82%)
- Blue (66%)



- Red (66%)
- Yellow (82%)
- Blue (74%)



- Cyan (10%)
- Magenta (0%)
- Yellow (19%)
- Black (19%)





- Cyan (26%)
- Magenta (19%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 22.447, 128.199 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 81, 22.447, 128.199 by changing the saturation by 10% instead.


 81, 22.447,
128.199


 81, 22.447,
128.199


 100, 22.447,
128.199


 71, 22.447,
128.199

 61, 22.447,
128.199

 51, 22.447,
128.199

 41, 22.447,
128.199

 31, 22.447,
128.199

 21, 22.447,
128.199

 11, 22.447,

128.199

■ 1, 22.447, 128.199

■ 0, 22.447, 128.199

■ 81, 22.447,
128.199

■ 81, 22.447,
128.199

■ 80, 34.047,
127.715

■ 82, 10.776,
128.675

■ 79, 45.440,
127.234

■ 83, 0.882, 308.965

■ 78, 56.441,
126.795

■ 85, 12.460,
309.497

■ 77, 66.780,
126.457

■ 86, 23.913,
309.870

■ 76, 76.077,

■ 87, 27.158,
315.763

126.309

88, 28.745,
322.503

76, 83.848,
126.470

89, 29.618,
325.456

75, 89.616,
127.065

75, 93.344,
128.099

75, 93.596,
128.176

Harmonies

Complementary

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



81, 22.447, 128.199



72, 23.045, 309.965

Rectangle

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



81, 22.447, 128.199



81, 22.447, 178.199



81, 22.447, 308.199



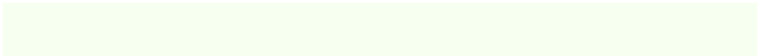
81, 22.447, 358.199

Sweetspot

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



81, 22.449, 128.201



99, 8.245, 128.824



77, 13.273, 73.032



53, 5.470, 128.793



0, 0.000, 0.000



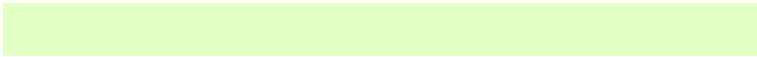
53, 0.007, 296.813

Same Dimension

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



81, 22.449, 128.201



97, 31.662, 128.006



80, 26.045, 143.222



43, 6.645, 128.667



62, 79.829, 127.932



14, 26.160, 129.643

Inverse Universe

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



72, 23.045, 309.965



83, 32.688, 310.172



73, 26.065, 325.483



41, 6.736, 309.480



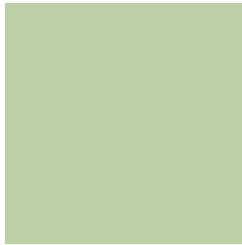
26, 91.343, 311.977



3, 26.743, 307.482

Previews

White Background



This preview shows how the CIELCh color 81, 22.447, 128.199 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 81, 22.447, 128.199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

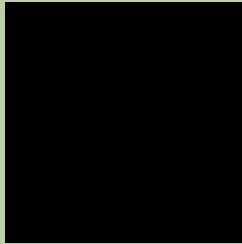
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 22.447, 128.199

Background



This preview shows how black text looks on a background with the CIELCh color 81, 22.447, 128.199.



This preview shows how white text looks on a background with the CIELCh color 81, 22.447, 128.199.

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
81, 22.447, 128.199

Protanopia
81, 19.704, 93.378

Deuteranopia
81, 19.128, 57.484



Tritanopia
81, 8.721, 276.982

Trichromacy



Original Color
81, 22.447, 128.199

Protanomaly
81, 20.030, 107.258

Deuteranomaly
81, 16.266, 84.699

Tritanomaly
81, 4.546, 171.321

Monochromacy



Original Color
81, 22.447, 128.199

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 8.396, 127.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 22.447, 128.199 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(188, 208, 168)` looks like.

```
.text, #text, p{  
    color:rgb(188, 208, 168)  
}
```

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(188, 208, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 208, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 22.447, 128.199 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(188, 208, 168) }
```

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

```
.border{ border-color:rgb(188, 208, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 208, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 208, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 208, 168);  
box-shadow:4px 4px 4px 4px rgb(188, 208,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 22.447, 128.199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 208, 168) }
```

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

```
.background{ background-color: rgb(188,  
208, 168) }
```

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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