

Converting Colors

CIELCh(80, 11.805, 118.362)

Have a look what the booklet for
CIELCh(80, 11.805, 118.362)
contains.

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Color

CIELCh(80, 11.819, 118.340)

Conversions

Conversions Part 1

Format	Color
Hex	C4C9B3
RGB	196, 201, 179
RGB Percent	77%, 79%, 70%
CMY	0.2319, 0.2123, 0.2985
CMYK	0.02, 0.00, 0.11, 0.21
HSL	74°, 17%, 74%
HSV	74°, 11%, 79%
XYZ	51.7121, 56.6813, 50.7960
YIQ	196.9970, 4.0820, -7.9020

Conversions

Conversions Part 2

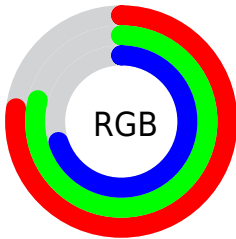
Format	Color
RYB	179, 201, 184
Decimal	12896691
CIELab	80.00, -5.61, 10.40
CIELCh	80, 11.819, 118.340
Yxy	56.6813, 0.3248, 0.3561
Android (android.graphics.Color)	4291086771 (0xFFC4C9B3)
YUV	196.9970, -8.8725, -0.8744
Hunter-Lab	75.2870, -9.1466, 12.6980

Details

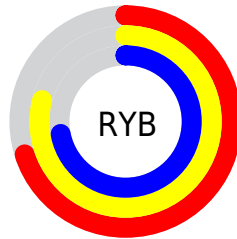
The CIELCh color **80, 11.819, 118.340** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74, 12.095, 299.792**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 10.158, 113.466**, and **60, 11.965, 118.574** is the 20% darker color. If you saturate the color by 10%, you get **79, 22.561, 117.688**, and if you desaturate by 10%, it is **81, 1.020, 119.008**.

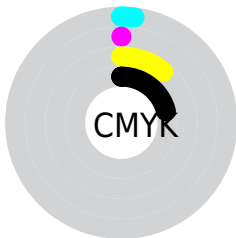
Distribution



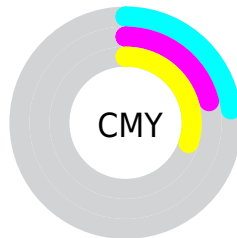
- Red (77%)
- Green (79%)
- Blue (70%)



- Red (70%)
- Yellow (79%)
- Blue (72%)



- Cyan (2%)
- Magenta (0%)
- Yellow (11%)
- Black (21%)





- Cyan (23%)
- Magenta (21%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 11.819, 118.340 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 80, 11.819, 118.340 by changing the saturation by 10% instead.


 80, 11.819,
118.340


 80, 11.819,
118.340


 100, 11.819,
118.340


 70, 11.819,
118.340


 60, 11.819,
118.340

 50, 11.819,
118.340

 40, 11.819,
118.340

 30, 11.819,
118.340

 20, 11.819,
118.340

 10, 11.819,

118.340

0, 11.819, 118.340

80, 11.819,
118.340

80, 11.819,
118.340

79, 22.561,
117.688

81, 1.020, 119.008

79, 33.158,
117.032

82, 9.785, 299.603

78, 43.487,
116.403

83, 20.554,
300.192

77, 53.363,
115.838

84, 29.059,
301.257

77, 62.510,
115.390

84, 29.328,
304.215

84, 29.671,
307.142

■ 76, 70.537,
115.135

■ 85, 30.086,
310.022

■ 76, 76.961,
115.166

■ 85, 30.573,
312.843

■ 76, 81.338,
115.579

■ 85, 31.129,
315.594

■ 75, 83.691,
116.257

Harmonies

Complementary

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



80, 11.819, 118.340



74, 12.095, 299.792

Rectangle

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



80, 11.819, 118.340



80, 11.819, 168.340



80, 11.819, 298.340



80, 11.819, 348.340

Sweetspot

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



80, 11.821, 118.346



100, 3.924, 118.861



76, 7.043, 41.067



53, 2.977, 118.808



0, 0.000, 0.000



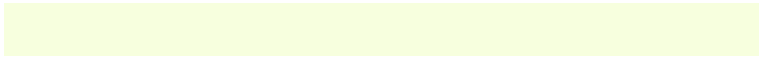
53, 0.007, 296.813

Same Dimension

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



80, 11.821, 118.346



99, 17.024, 118.200



79, 13.148, 135.796



42, 6.072, 118.449



62, 71.668, 116.076



13, 20.923, 119.044

Inverse Universe

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



74, 12.095, 299.792



90, 17.495, 299.960



75, 13.260, 316.704



39, 6.195, 299.677



20, 93.953, 307.576



2, 21.700, 297.716

Previews

White Background



This preview shows how the CIELCh color 80, 11.819, 118.340 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 80, 11.819, 118.340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

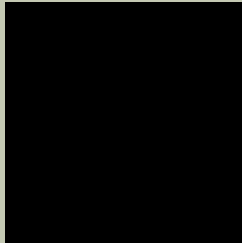
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

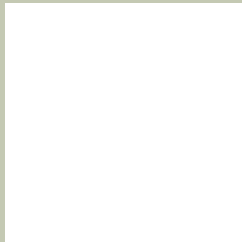
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 11.819, 118.340

Background



This preview shows how black text looks on a background with the CIELCh color 80, 11.819, 118.340.

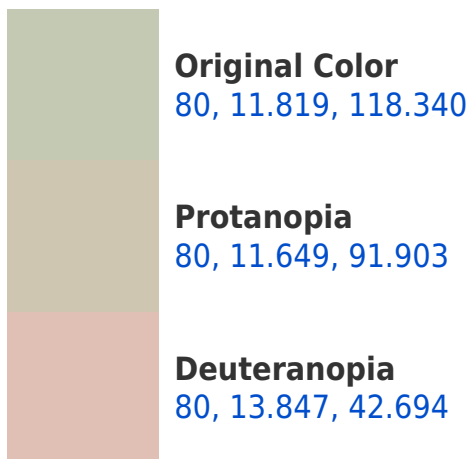


This preview shows how white text looks on a background with the CIELCh color 80, 11.819, 118.340.

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
80, 8.747, 302.697

Trichromacy



Original Color
80, 11.819, 118.340

Protanomaly
80, 11.226, 101.343

Deuteranomaly
80, 10.811, 66.971

Tritanomaly
80, 1.139, 309.008

Monochromacy



Original Color
80, 11.819, 118.340

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 4.266, 114.773

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 11.819, 118.340 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(196, 201, 179)` looks like.

```
.text, #text, p{  
    color:rgb(196, 201, 179)  
}
```

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(196, 201, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 201, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 11.819, 118.340 is called "border". The border property can be set on classes, ids or directly on the HTML element.

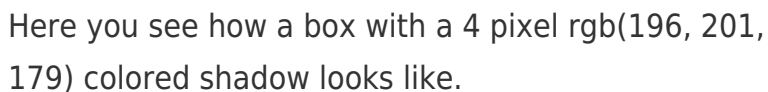
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 201, 179) }
```

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

```
.border{ border-color:rgb(196, 201, 179) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 201, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 201, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 201, 179); box-shadow:4px 4px 4px 4px rgb(196, 201, 179) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 11.819, 118.340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 201, 179) }
```

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

```
.background{ background-color: rgb(196,  
201, 179) }
```

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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