

Converting Colors

CIELCh(80, 3.459, 4.723)

Have a look what the booklet for
CIELCh(80, 3.459, 4.723) contains.

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Color

CIELCh(80, 3.496, 1.825)

Conversions

Conversions Part 1

Format	Color
Hex	CDC4C6
RGB	205, 196, 198
RGB Percent	80%, 77%, 78%
CMY	0.1952, 0.2305, 0.2226
CMYK	0.00, 0.04, 0.03, 0.20
HSL	347°, 8%, 79%
HSV	347°, 4%, 80%
XYZ	55.2502, 56.6813, 61.5918
YIQ	198.9190, 4.7220, 2.5300

Conversions

Conversions Part 2

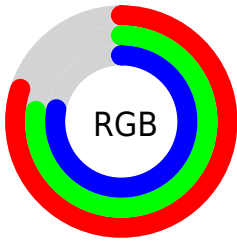
Format	Color
R _Y B	205, 196, 198
Decimal	13485254
CIE Lab	80.00, 3.49, 0.11
CIE LCh	80, 3.496, 1.825
Yxy	56.6813, 0.3184, 0.3266
Android (android.graphics.Color)	4291675334 (0xFFC4DC4C6)
YUV	198.9190, -0.4531, 5.3330
Hunter-Lab	75.2870, -0.7579, 4.1961

Details

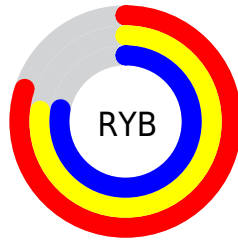
The CIELCh color **80, 3.496, 1.825** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82, 3.433, 181.352**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 1.250, 324.238**, and **60, 3.712, 1.998** is the 20% darker color. If you saturate the color by 10%, you get **74, 11.747, 2.961**, and if you desaturate by 10%, it is **86, 4.348, 181.240**.

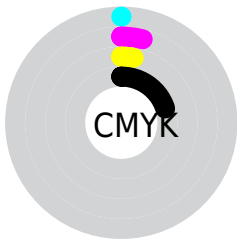
Distribution



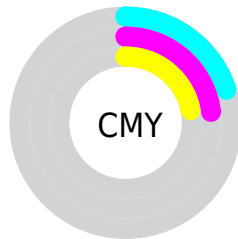
- Red (80%)
- Green (77%)
- Blue (78%)



- Red (80%)
- Yellow (77%)
- Blue (78%)



- Cyan (0%)
- Magenta (4%)
- Yellow (3%)
- Black (20%)



- Cyan (20%)
- Magenta (23%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 3.496, 1.825 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, 3.496, 1.825 by changing the saturation by 10% instead.

80, 3.496, 1.825

80, 3.496, 1.825

100, 3.496, 1.825

70, 3.496, 1.825

60, 3.496, 1.825

50, 3.496, 1.825

40, 3.496, 1.825

30, 3.496, 1.825

20, 3.496, 1.825

10, 3.496, 1.825

0, 3.496, 1.825

80, 3.496, 1.825

80, 3.496, 1.825

74, 11.747, 2.961

86, 4.348, 181.240

69, 20.377, 4.170

91, 11.777,
180.402

64, 29.295, 5.606

96, 17.470,
183.212

59, 38.337, 7.357

54, 47.244, 9.537

97, 16.491,
198.410

50, 55.676, 12.287

47, 63.273, 15.767

45, 69.787, 20.096

44, 75.221, 25.234

Harmonies

Complementary

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



80, 3.496, 1.825



82, 3.433, 181.352

Rectangle

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



80, 3.496, 1.825



80, 3.496, 51.825



80, 3.496, 181.825



80, 3.496, 231.825

Sweetspot

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



80, 3.494, 1.847



99, 0.946, 1.047



80, 5.443, 317.955



53, 0.538, 1.009



0, 0.000, 0.000



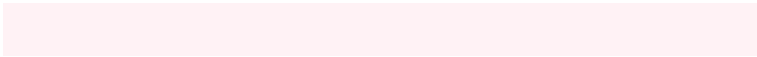
53, 0.007, 296.813

Same Dimension

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



80, 3.494, 1.847



97, 4.760, 1.931



81, 2.739, 47.031



41, 2.707, 1.998



34, 66.113, 27.263



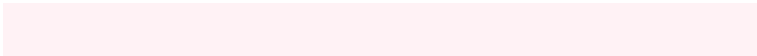
4, 18.277, 8.614

Inverse Universe

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



80, 3.494, 1.847



97, 4.760, 1.931



81, 2.679, 227.888



41, 2.707, 1.998



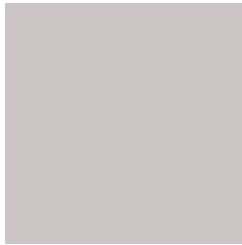
34, 66.113, 27.263



4, 18.277, 8.614

Previews

White Background



This preview shows how the CIELCh color 80, 3.496, 1.825 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 80, 3.496, 1.825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

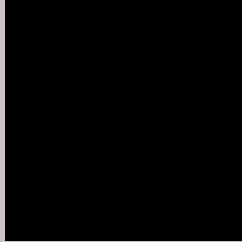
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

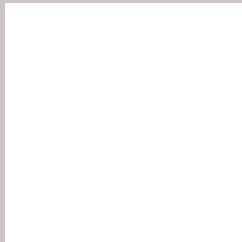
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 3.496, 1.825

Background



This preview shows how black text looks on a background with the CIELCh color 80, 3.496, 1.825.

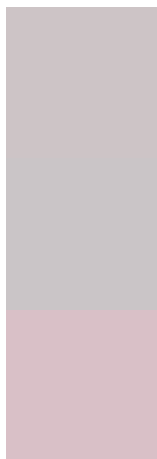


This preview shows how white text looks on a background with the CIELCh color 80, 3.496, 1.825.

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


80, 3.496, 1.825

Protanopia

80, 2.136, 349.423

Deuteranopia

80, 10.017, 358.427



Tritanopia
80, 9.787, 319.500

Trichromacy



Original Color

80, 3.496, 1.825

Protanomaly

80, 2.461, 353.768

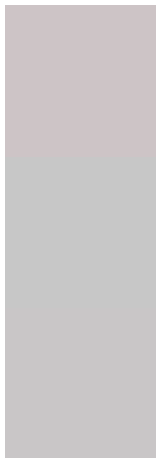
Deuteranomaly

80, 7.538, 359.344

Tritanomaly

80, 7.136, 324.696

Monochromacy



Original Color

80, 3.496, 1.825

Achromatopsia

80, 0.010, 296.813

Achromatomaly

80, 1.232, 353.447

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 3.496, 1.825 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(205, 196, 198)` looks like.

```
.text, #text, p{  
    color:rgb(205, 196, 198)  
}
```

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(205, 196, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 196, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 3.496, 1.825 is called "border". The border property can be set on classes, ids or directly on the HTML element.

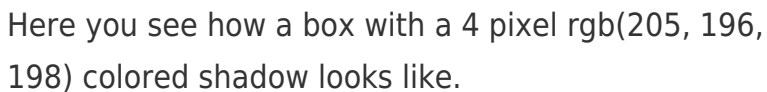
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 196, 198) }
```

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

```
.border{ border-color:rgb(205, 196, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 196, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 196, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 196, 198); box-shadow:4px 4px 4px 4px rgb(205, 196, 198) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 3.496, 1.825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 196, 198) }
```

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

```
.background{ background-color: rgb(205,  
196, 198) }
```

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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