

Converting Colors

CIELCh(80, 3.296, 84.698)

Have a look what the booklet for
CIELCh(80, 3.296, 84.698) contains.

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Color

CIELCh(80, 3.498, 84.718)

Conversions

Conversions Part 1

Format	Color
Hex	CAC6C0
RGB	202, 198, 192
RGB Percent	79%, 78%, 75%
CMY	0.2083, 0.2239, 0.2475
CMYK	0.00, 0.02, 0.05, 0.21
HSL	36°, 9%, 77%
HSV	36°, 5%, 79%
XYZ	53.9997, 56.6813, 57.9014
YIQ	198.5120, 4.3100, -1.0180

Conversions

Conversions Part 2

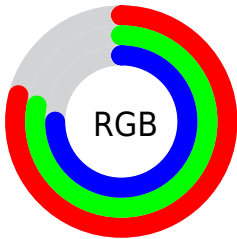
Format	Color
RYB	199, 202, 192
Decimal	13289152
CIELab	80.00, 0.32, 3.48
CIElCh	80, 3.498, 84.718
Yxy	56.6813, 0.3203, 0.3362
Android (android.graphics.Color)	4291479232 (0xFFCAC6C0)
YUV	198.5120, -3.2104, 3.0590
Hunter-Lab	75.2870, -3.7227, 7.1023

Details

The CIELCh color **80, 3.498, 84.718** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79, 3.497, 266.171**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 3.539, 109.892**, and **60, 3.213, 80.365** is the 20% darker color. If you saturate the color by 10%, you get **77, 10.741, 83.526**, and if you desaturate by 10%, it is **83, 3.532, 266.156**.

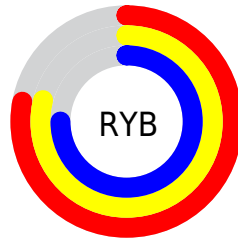
Distribution



Red (79%)

Green (78%)

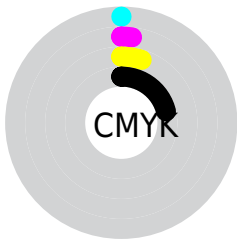
Blue (75%)



Red (78%)

Yellow (79%)

Blue (75%)

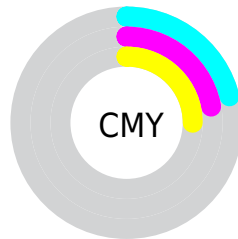


Cyan (0%)

Magenta (2%)

Yellow (5%)

Black (21%)



Cyan (21%)

Magenta (22%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 3.498, 84.718 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, 3.498, 84.718 by changing the saturation by 10% instead.

■ 80, 3.498, 84.718

■ 80, 3.498, 84.718

■ 100, 3.498, 84.718

■ 70, 3.498, 84.718

■ 60, 3.498, 84.718

■ 50, 3.498, 84.718

■ 40, 3.498, 84.718

■ 30, 3.498, 84.718

■ 20, 3.498, 84.718

■ 10, 3.498, 84.718

■ 0, 3.498, 84.718

■ 80, 3.498, 84.718

■ 80, 3.498, 84.718

77, 10.741, 83.526

83, 3.532, 266.156

75, 18.203, 82.216

85, 10.366,
267.292

72, 25.879, 80.864

88, 17.020,
268.421

70, 33.735, 79.473

68, 41.686, 78.036

90, 15.665,
254.798

65, 49.549, 76.527

92, 14.555,
235.521

63, 56.968, 74.881

61, 63.321, 72.962

94, 15.179,
215.792

59, 67.752, 70.541

96, 17.308,
199.426

97, 17.522,
198.344

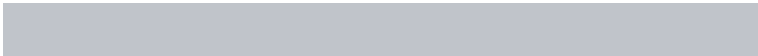
Harmonies

Complementary

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



80, 3.498, 84.718



79, 3.497, 266.171

Rectangle

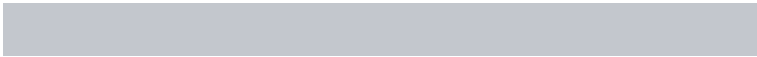
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 3.498, 84.718



80, 3.498, 134.718



80, 3.498, 264.718



80, 3.498, 314.718

Sweetspot

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



80, 3.499, 84.752



100, 0.841, 84.915



79, 4.284, 349.749



53, 0.478, 84.899



0, 0.000, 0.000



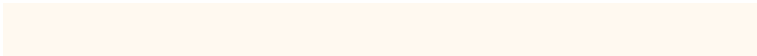
53, 0.007, 296.813

Same Dimension

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



80, 3.499, 84.752



98, 5.135, 84.625



81, 5.305, 113.707



42, 2.838, 84.566



48, 59.950, 69.725



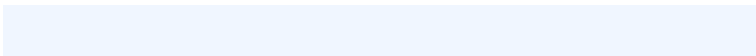
9, 14.730, 70.737

Inverse Universe

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



79, 3.497, 266.171



97, 5.121, 266.308



78, 5.379, 294.521



41, 2.828, 266.370



31, 62.798, 292.103



4, 17.025, 278.550

Previews

White Background



This preview shows how the CIELCh color 80, 3.498, 84.718 looks on a white background.

Color Contrast Check

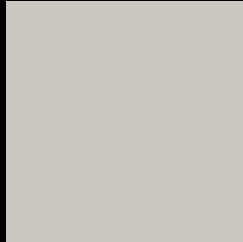
Large Text (above 18pt) WCAG AA × Fail

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, 3.498, 84.718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

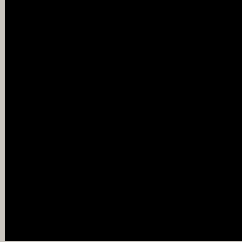
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

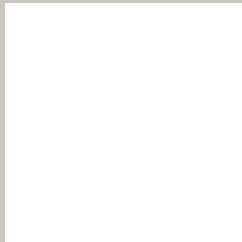
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 3.498, 84.718

Background



This preview shows how black text looks on a background with the CIELCh color 80, 3.498, 84.718.

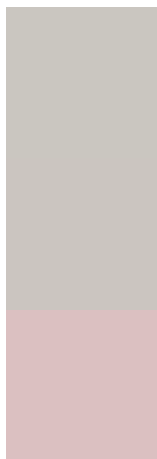


This preview shows how white text looks on a background with the CIELCh color 80, 3.498, 84.718.

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, 3.498, 84.718

Protanopia

80, 3.451, 69.605

Deuteranopia

80, 10.174, 17.190



Tritanopia
80, 8.816, 314.944

Trichromacy



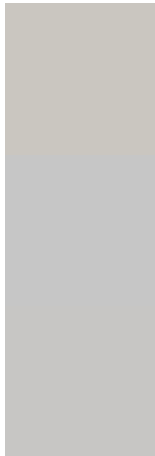
Original Color
80, 3.498, 84.718

Protanomaly
80, 3.451, 69.605

Deuteranomaly
80, 7.135, 24.140

Tritanomaly
80, 4.767, 328.210

Monochromacy



Original Color
80, 3.498, 84.718

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 1.113, 90.726

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 3.498, 84.718 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(202, 198, 192)` looks like.

```
.text, #text, p{  
    color:rgb(202, 198, 192)  
}
```

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(202, 198, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 198, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 3.498, 84.718 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(202, 198, 192) }
```

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

```
.border{ border-color:rgb(202, 198, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 198, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 198, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 198, 192);  
box-shadow:4px 4px 4px 4px rgb(202, 198,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 3.498, 84.718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 198, 192) }
```

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

```
.background{ background-color: rgb(202,  
198, 192) }
```

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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