

Converting Colors

CIELCh(80, 3.844, 331.755)

Have a look what the booklet for
CIELCh(80, 3.844, 331.755) contains.

CIELCh(80, 4.122, 328.743)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(80, 4.122, 328.743)

Conversions

Conversions Part 1

Format	Color
Hex	CBC4CA
RGB	203, 196, 202
RGB Percent	80%, 77%, 79%
CMY	0.2024, 0.2299, 0.2064
CMYK	0.00, 0.03, 0.00, 0.20
HSL	309°, 6%, 78%
HSV	309°, 3%, 80%
XYZ	55.2619, 56.6813, 64.1398
YIQ	198.7770, 2.2460, 3.3500

Conversions

Conversions Part 2

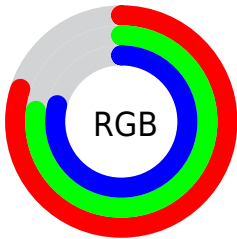
Format	Color
R _Y B	203, 196, 202
Decimal	13354186
CIE Lab	80.00, 3.52, -2.14
CIE LCh	80, 4.122, 328.743
Yxy	56.6813, 0.3138, 0.3219
Android (android.graphics.Color)	4291544266 (0xFFCBC4CA)
YUV	198.7770, 1.5889, 3.7036
Hunter-Lab	75.2870, -0.7302, 2.1895

Details

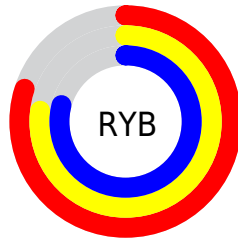
The CIELCh color $80, 4.122, 328.743$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $81, 4.102, 148.481$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 1.250, 324.238$, and $60, 4.367, 328.828$ is the 20% darker color. If you saturate the color by 10%, you get $75, 16.183, 329.395$, and if you desaturate by 10%, it is $85, 7.747, 148.278$.

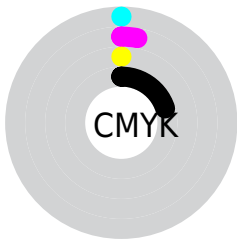
Distribution



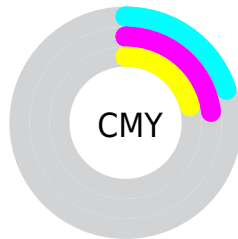
- Red (80%)
- Green (77%)
- Blue (79%)



- Red (80%)
- Yellow (77%)
- Blue (79%)



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



- Cyan (20%)
- Magenta (23%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 4.122, 328.743 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, 4.122, 328.743 by changing the saturation by 10% instead.

■ 80, 4.122, 328.743

■ 80, 4.122, 328.743

■ 100, 4.122,
328.743

■ 70, 4.122, 328.743

■ 60, 4.122, 328.743

■ 50, 4.122, 328.743

■ 40, 4.122, 328.743

■ 30, 4.122, 328.743

■ 20, 4.122, 328.743

■ 10, 4.122, 328.743

■ 0, 4.122, 328.743

■ 80, 4.122, 328.743

■ 80, 4.122, 328.743

75, 16.183,
329.395

85, 7.747, 148.278

70, 28.303,
330.015

91, 19.332,
147.700

65, 40.263,
330.639

96, 29.146,
147.436

61, 51.751,
331.266

96, 27.977,
149.296

57, 62.355,
331.892

96, 26.835,
151.307

53, 71.578,
332.516

96, 25.723,
153.487

50, 78.902,
333.143

96, 24.646,
155.852

48, 83.906,
333.785

96, 23.609,
158.421

47, 86.423,

96, 22.618,
161.212

334.463

Harmonies

Complementary

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



80, 4.122, 328.743



81, 4.102, 148.481

Rectangle

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



80, 4.122, 328.743



80, 4.122, 18.743



80, 4.122, 148.743



80, 4.122, 198.743

Sweetspot

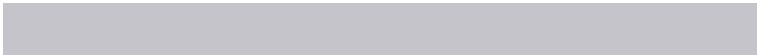
The Sweet Spot groups the original color and five complimentary colors.



80, 4.120, 328.745



99, 1.442, 328.431



80, 3.760, 295.677



53, 0.820, 328.415



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, 4.120, 328.745



97, 5.754, 328.792



80, 2.929, 351.661



42, 3.405, 328.838



38, 74.920, 334.817



5, 25.851, 332.777

Inverse Universe

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



80, 4.120, 328.745



97, 5.754, 328.792



81, 2.896, 171.363



42, 3.405, 328.838



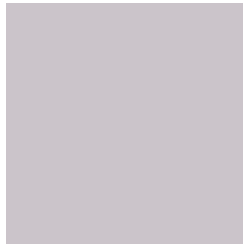
38, 74.920, 334.817



5, 25.851, 332.777

Previews

White Background



This preview shows how the CIELCh color 80, 4.122, 328.743 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, 4.122, 328.743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

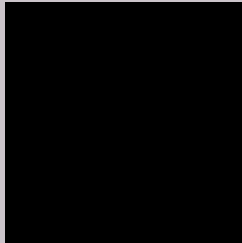
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

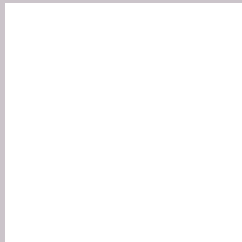
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 4.122, 328.743

Background



This preview shows how black text looks on a background with the CIELCh color 80, 4.122, 328.743.

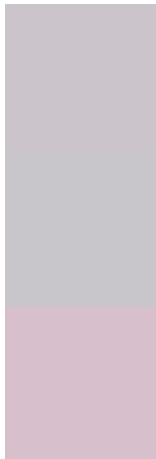


This preview shows how white text looks on a background with the CIELCh color 80, 4.122, 328.743.

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, 4.122, 328.743

Protanopia

80, 3.399, 309.161

Deuteranopia

80, 10.322, 345.715



Tritanopia
80, 8.816, 314.944

Trichromacy



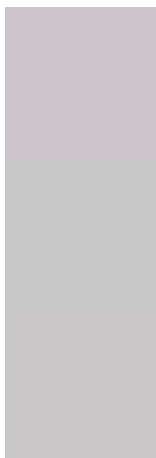
Original Color
80, 4.122, 328.743

Protanomaly
80, 3.536, 314.741

Deuteranomaly
80, 7.898, 342.698

Tritanomaly
80, 6.575, 316.783

Monochromacy



Original Color
80, 4.122, 328.743

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 1.545, 335.542

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 4.122, 328.743 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(203, 196, 202)` looks like.

```
.text, #text, p{  
    color:rgb(203, 196, 202)  
}
```

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(203, 196, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 196, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 4.122, 328.743 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(203, 196, 202) }
```

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

```
.border{ border-color:rgb(203, 196, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 196, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 196, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 196, 202);  
box-shadow:4px 4px 4px 4px rgb(203, 196,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 4.122, 328.743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 196, 202) }
```

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

```
.background{ background-color: rgb(203,  
196, 202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor