

Converting Colors

CIELCh(80, 4.687, 329.853)

Have a look what the booklet for
CIELCh(80, 4.687, 329.853) contains.

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Color

CIELCh(80, 4.767, 328.210)

Conversions

Conversions Part 1

Format	Color
Hex	CCC4CB
RGB	204, 196, 203
RGB Percent	80%, 77%, 80%
CMY	0.1997, 0.2310, 0.2036
CMYK	0.00, 0.04, 0.00, 0.20
HSL	308°, 7%, 78%
HSV	308°, 4%, 80%
XYZ	55.4720, 56.6813, 64.5683
YIQ	199.1900, 2.5210, 3.8730

Conversions

Conversions Part 2

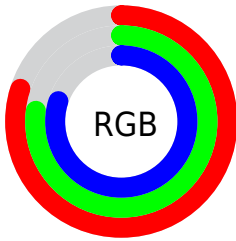
Format	Color
R_{YB}	204, 196, 203
Decimal	13419723
CIE _{Lab}	80.00, 4.05, -2.51
CIE _{LCh}	80, 4.767, 328.210
Yxy	56.6813, 0.3139, 0.3207
Android (android.graphics.Color)	4291609803 (0xFFCCC4CB)
YUV	199.1900, 1.8783, 4.2184
Hunter-Lab	75.2870, -0.2321, 1.8521

Details

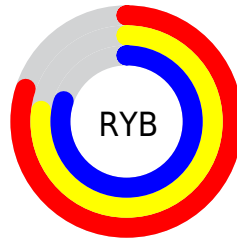
The CIELCh color `80, 4.767, 328.210` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `81, 4.746, 147.874`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 1.250, 324.238`, and `60, 5.049, 328.301` is the 20% darker color. If you saturate the color by 10%, you get `75, 17.020, 328.845`, and if you desaturate by 10%, it is `85, 7.299, 147.741`.

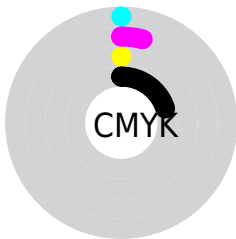
Distribution



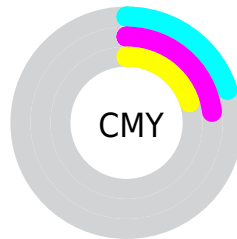
- Red (80%)
- Green (77%)
- Blue (80%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 4.767, 328.210 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, 4.767, 328.210 by changing the saturation by 10% instead.

■ 80, 4.767, 328.210

■ 80, 4.767, 328.210

■ 100, 4.767,
328.210

■ 70, 4.767, 328.210

■ 60, 4.767, 328.210

■ 50, 4.767, 328.210

■ 40, 4.767, 328.210

■ 30, 4.767, 328.210

■ 20, 4.767, 328.210

■ 10, 4.767, 328.210

■ 0, 4.767, 328.210

■ 80, 4.767, 328.210

■ 80, 4.767, 328.210

75, 17.020,
328.845

85, 7.299, 147.741

70, 29.321,
329.453

91, 19.081,
147.166

65, 41.443,
330.063

96, 29.138,
146.867

61, 53.066,
330.670

96, 28.104,
148.473

57, 63.768,
331.268

96, 27.090,
150.194

53, 73.047,
331.855

96, 26.098,
152.042

51, 80.387,
332.433

96, 25.130,
154.027

49, 85.379,
333.009

96, 24.191,
156.162

48, 87.878,

96, 23.284,
158.459

Harmonies

Complementary

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



80, 4.767, 328.210



81, 4.746, 147.874

Rectangle

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



80, 4.767, 328.210



80, 4.767, 18.210



80, 4.767, 148.210



80, 4.767, 198.210

Sweetspot

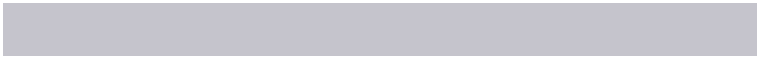
The Sweet Spot groups the original color and five complimentary colors.



80, 4.765, 328.212



99, 1.460, 327.868



79, 4.292, 295.076



53, 0.831, 327.852



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, 4.765, 328.212



97, 7.288, 328.292



80, 3.380, 350.666



41, 4.140, 328.330



38, 75.958, 333.877



5, 26.236, 332.023

Inverse Universe

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



80, 4.765, 328.212



97, 7.288, 328.292



81, 3.343, 170.242



41, 4.140, 328.330



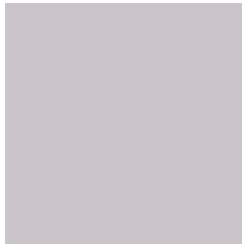
38, 75.958, 333.877



5, 26.236, 332.023

Previews

White Background



This preview shows how the CIELCh color 80, 4.767, 328.210 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, 4.767, 328.210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

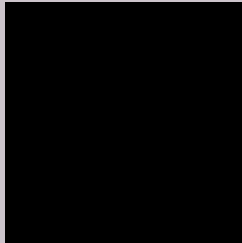
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

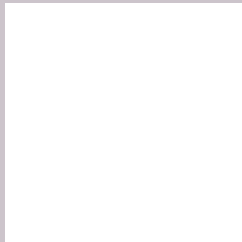
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 4.767, 328.210

Background



This preview shows how black text looks on a background with the CIELCh color 80, 4.767, 328.210.

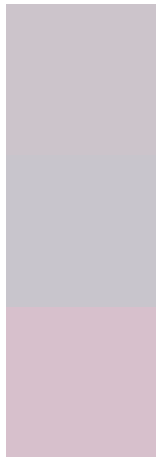


This preview shows how white text looks on a background with the CIELCh color 80, 4.767, 328.210.

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, 4.767, 328.210

Protanopia

80, 3.907, 306.671

Deuteranopia

80, 10.624, 343.340



Tritanopia
80, 8.816, 314.944

Trichromacy



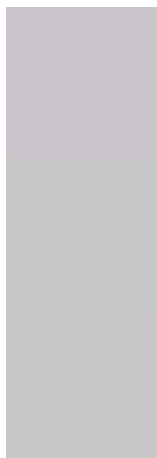
Original Color
80, 4.767, 328.210

Protanomaly
80, 4.027, 311.631

Deuteranomaly
80, 8.858, 338.709

Tritanomaly
80, 7.394, 320.030

Monochromacy



Original Color
80, 4.767, 328.210

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, 4.767, 328.210 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(204, 196, 203)` looks like.

```
.text, #text, p{  
    color:rgb(204, 196, 203)  
}
```

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(204, 196, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 196, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 4.767, 328.210 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(204, 196, 203) }
```

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

```
.border{ border-color:rgb(204, 196, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 196, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 196, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 196, 203);  
box-shadow:4px 4px 4px 4px rgb(204, 196,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 4.767, 328.210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 196, 203) }
```

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

```
.background{ background-color: rgb(204,  
196, 203) }
```

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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