

Converting Colors

CIELCh(80, 7.303, 304.599)

Have a look what the booklet for
CIELCh(80, 7.303, 304.599) contains.

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Color

CIELCh(80, 7.708, 304.275)

Conversions

Conversions Part 1

Format	Color
Hex	C9C4D2
RGB	201, 196, 210
RGB Percent	79%, 77%, 82%
CMY	0.2110, 0.2306, 0.1757
CMYK	0.04, 0.07, 0.00, 0.18
HSL	261°, 14%, 80%
HSV	261°, 7%, 82%
XYZ	55.5872, 56.6813, 69.1189
YIQ	199.0910, -1.5140, 5.4140

Conversions

Conversions Part 2

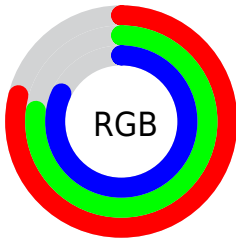
Format	Color
R_{YB}	201, 196, 210
Decimal	13223122
CIE _{Lab}	80.00, 4.34, -6.37
CIE _{LCh}	80, 7.708, 304.275
Yxy	56.6813, 0.3065, 0.3125
Android (android.graphics.Color)	4291413202 (0xFFC9C4D2)
YUV	199.0910, 5.3781, 1.6742
Hunter-Lab	75.2870, 0.0410, -1.7316

Details

The CIELCh color $80, 7.708, 304.275$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $84, 7.603, 123.592$, 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 $60, 8.172, 304.395$ is the 20% darker color. If you saturate the color by 10%, you get $74, 19.594, 304.863$, and if you desaturate by 10%, it is $86, 3.783, 123.780$.

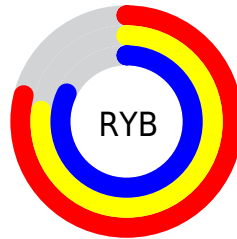
Distribution



Red (79%)

Green (77%)

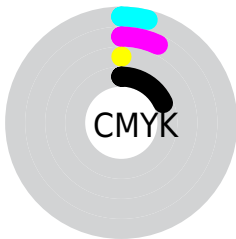
Blue (82%)



Red (79%)

Yellow (77%)

Blue (82%)

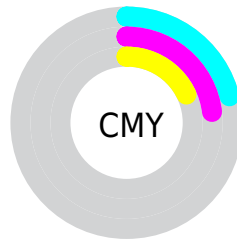


Cyan (4%)

Magenta (7%)

Yellow (0%)

Black (18%)



Cyan (21%)

Magenta (23%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 7.708, 304.275 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, 7.708, 304.275 by changing the saturation by 10% instead.

■ 80, 7.708, 304.275

■ 80, 7.708, 304.275

■ 100, 7.708,
304.275

■ 70, 7.708, 304.275

■ 60, 7.708, 304.275

■ 50, 7.708, 304.275

■ 40, 7.708, 304.275

■ 30, 7.708, 304.275

■ 20, 7.708, 304.275

■ 10, 7.708, 304.275

■ 0, 7.708, 304.275

■ 80, 7.708, 304.275

■ 80, 7.708, 304.275

74, 19.594,
304.863

86, 3.783, 123.780

67, 31.871,
305.522

93, 14.882,
123.312

61, 44.497,
306.244

98, 23.207,
120.613

55, 57.366,
307.014

99, 22.624,
108.463

49, 70.259,
307.796

43, 82.760,
308.525

38, 94.162,
309.092

34, 103.442,
309.350

31, 109.566,

Harmonies

Complementary

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



80, 7.708, 304.275



84, 7.603, 123.592

Rectangle

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



80, 7.708, 304.275



80, 7.708, 354.275



80, 7.708, 124.275



80, 7.708, 174.275

Sweetspot

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



80, 7.706, 304.270



99, 2.693, 304.000



82, 4.118, 238.497



53, 1.531, 303.993



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, 7.706, 304.270



94, 10.851, 304.351



81, 8.649, 320.564



41, 6.565, 304.427



23, 94.070, 309.215



2, 26.131, 302.509

Inverse Universe

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



81, 7.040, 337.111



95, 9.904, 337.225



83, 8.613, 139.994



41, 5.986, 337.329



37, 65.473, 349.103



5, 23.712, 344.425

Previews

White Background



This preview shows how the CIELCh color 80, 7.708, 304.275 looks on a white background.

Color Contrast Check

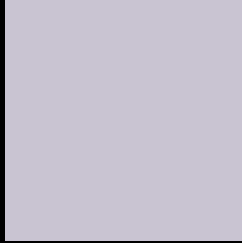
Large Text (above 18pt) WCAG AA × Fail

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, 7.708, 304.275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

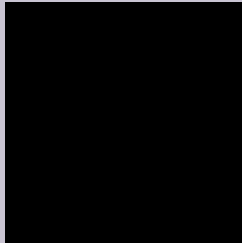
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 7.708, 304.275

Background



This preview shows how black text looks on a background with the CIELCh color 80, 7.708, 304.275.

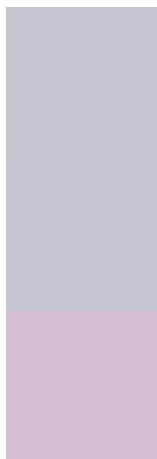


This preview shows how white text looks on a background with the CIELCh color 80, 7.708, 304.275.

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, 7.708, 304.275

Protanopia

80, 7.481, 293.580

Deuteranopia

80, 11.853, 326.361



Tritanopia
80, 8.227, 303.433

Trichromacy



Original Color
80, 7.708, 304.275

Protanomaly
80, 7.512, 296.296

Deuteranomaly
80, 10.426, 319.850

Tritanomaly
80, 8.227, 303.433

Monochromacy



Original Color
80, 7.708, 304.275

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 2.777, 305.590

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 7.708, 304.275 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(201, 196, 210)` looks like.

```
.text, #text, p{  
    color:rgb(201, 196, 210)  
}
```

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(201, 196, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 196, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 7.708, 304.275 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(201, 196, 210) }
```

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

```
.border{ border-color:rgb(201, 196, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 196, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 196, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 196, 210);  
box-shadow:4px 4px 4px 4px rgb(201, 196,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 7.708, 304.275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 196, 210) }
```

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

```
.background{ background-color: rgb(201,  
196, 210) }
```

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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