

# Converting Colors

CIELCh(80, 8.972, 324.488)

Have a look what the booklet for  
CIELCh(80, 8.972, 324.488) contains.

<b>CIELCh(80, 9.073, 324.780)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# Color

**CIELCh(80, 9.073, 324.780)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D0C2D0
RGB	208, 194, 208
RGB Percent	82%, 76%, 82%
CMY	0.1835, 0.2384, 0.1835
CMYK	0.00, 0.07, 0.00, 0.18
HSL	300°, 13%, 79%
HSV	300°, 7%, 82%
XYZ	56.8211, 56.6813, 67.7565
YIQ	199.7820, 3.8500, 7.3220

# Conversions

## Conversions Part 2

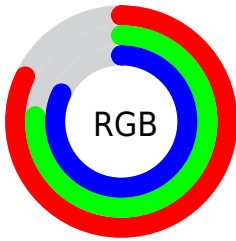
Format	Color
R <sub>Y</sub> B	208, 194, 208
Decimal	13681360
CIE Lab	80.00, 7.41, -5.23
CIE LCh	80, 9.073, 324.780
Yxy	56.6813, 0.3135, 0.3127
Android (android.graphics.Color)	4291871440 (0xFFD0C2D0)
YUV	199.7820, 4.0515, 7.2072
Hunter-Lab	75.2870, 2.9665, -0.6587

# Details

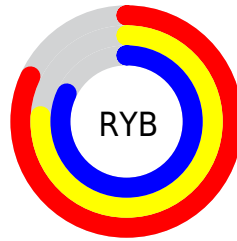
The CIELCh color `80, 9.073, 324.780` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `82, 9.052, 144.085`, and the grayscale version is `81, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 3.114, 324.451`, and `60, 9.605, 324.906` is the 20% darker color. If you saturate the color by 10%, you get `75, 22.670, 325.345`, and if you desaturate by 10%, it is `85, 4.368, 144.327`.

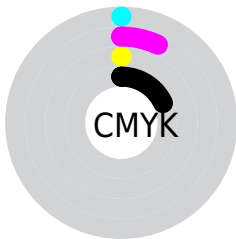
# Distribution



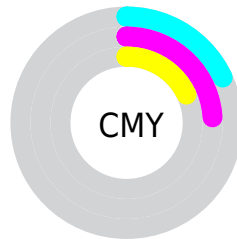
- Red (82%)
- Green (76%)
- Blue (82%)



- Red (82%)
- Yellow (76%)
- Blue (82%)



- Cyan (0%)
- Magenta (7%)
- Yellow (0%)
- Black (18%)



- Cyan (18%)
- Magenta (24%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 9.073, 324.780 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, 9.073, 324.780 by changing the saturation by 10% instead.



80, 9.073, 324.780

80, 9.073, 324.780

100, 9.073,  
324.780

70, 9.073, 324.780

60, 9.073, 324.780

50, 9.073, 324.780

40, 9.073, 324.780

30, 9.073, 324.780

20, 9.073, 324.780

10, 9.073, 324.780

0, 9.073, 324.780

80, 9.073, 324.780

80, 9.073, 324.780

75, 22.670,  
325.345

85, 4.368, 144.327

70, 36.240,  
325.889

91, 17.524,  
143.751

65, 49.502,  
326.409

96, 29.310,  
143.273

61, 62.079,  
326.890

96, 29.310,  
143.273

57, 73.501,  
327.317

96, 29.310,  
143.274

54, 83.245,  
327.672

96, 29.310,  
143.274

52, 90.825,  
327.942

96, 29.310,  
143.274

50, 95.929,  
328.120

96, 29.309,  
143.274

50, 98.584,

96, 29.309,  
143.274



# Harmonies

# Complementary

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



80, 9.073, 324.780



82, 9.052, 144.085

# Rectangle

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



80, 9.073, 324.780



80, 9.073, 14.780



80, 9.073, 144.780



80, 9.073, 194.780

# Sweetspot

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



80, 9.071, 324.780



99, 3.176, 324.455



79, 7.487, 290.862



53, 1.806, 324.445



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, 9.071, 324.780



95, 12.733, 324.860



80, 6.381, 344.140



41, 7.693, 324.936



40, 84.659, 328.233



6, 31.113, 327.825



# Inverse Universe

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



80, 9.071, 324.780



95, 12.733, 324.860



82, 6.317, 163.163



41, 7.693, 324.936



40, 84.659, 328.233

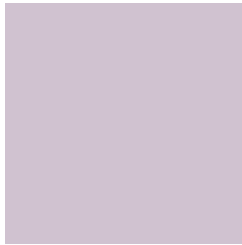


6, 31.113, 327.825



# Previews

## White Background



This preview shows how the CIELCh color 80, 9.073, 324.780 looks on a white background.

## Color Contrast Check

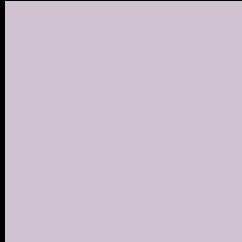
Large Text (above 18pt) WCAG AA × Fail

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, 9.073, 324.780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

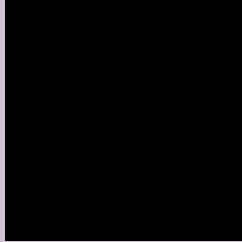
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

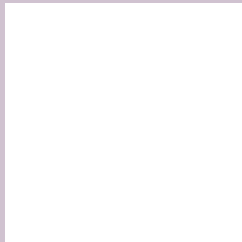
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 80, 9.073, 324.780

## Background



This preview shows how black text looks on a background with the CIELCh color 80, 9.073, 324.780.



This preview shows how white text looks on a background with the CIELCh color 80, 9.073, 324.780.

# 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, 9.073, 324.780

### Protanopia

80, 6.982, 296.677

### Deuteranopia

80, 11.248, 331.083





**Tritanopia**  
80, 9.515, 322.977

# Trichromacy



**Original Color**  
80, 9.073, 324.780

**Protanomaly**  
80, 7.292, 307.983

**Deuteranomaly**  
80, 10.791, 328.079

**Tritanomaly**  
80, 9.515, 322.977

# Monochromacy



**Original Color**  
80, 9.073, 324.780

**Achromatopsia**  
81, 0.010, 296.813

**Achromatomaly**  
80, 3.249, 324.496

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 80, 9.073, 324.780 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(208, 194, 208)` looks like.

```
.text, #text, p{  
    color:rgb(208, 194, 208)  
}
```

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(208, 194, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 194, 208) }
```

## Border

The CSS property to change the border of an element to CIELCh 80, 9.073, 324.780 is called "border". The border property can be set on classes, ids or directly on the HTML element.

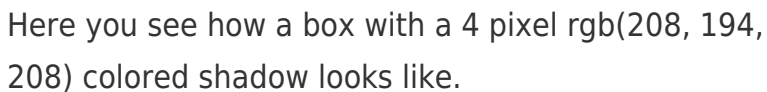
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(208, 194, 208) }
```

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

```
.border{ border-color:rgb(208, 194, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(208, 194, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(208, 194, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(208, 194, 208); box-shadow:4px 4px 4px 4px rgb(208, 194, 208) }
```

# Background

The CSS property to change the background color of an element to CIELCh 80, 9.073, 324.780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 194, 208) }
```

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

```
.background{ background-color: rgb(208,  
194, 208) }
```

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