

# Converting Colors

CIELCh(79, 8.685, 333.587)

Have a look what the booklet for  
CIELCh(79, 8.685, 333.587) contains.

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# Color

**CIELCh(79, 8.720, 332.801)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFBFCB
RGB	207, 191, 203
RGB Percent	81%, 75%, 80%
CMY	0.1877, 0.2504, 0.2034
CMYK	0.00, 0.08, 0.02, 0.19
HSL	315°, 14%, 78%
HSV	315°, 8%, 81%
XYZ	55.2308, 54.9284, 64.2809
YIQ	197.1520, 5.6840, 7.1240

# Conversions

## Conversions Part 2

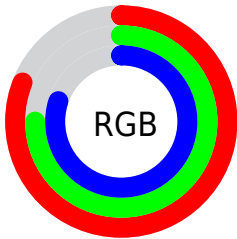
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 191, 203
Decimal	13615051
CIE Lab	79.00, 7.76, -3.99
CIE LCh	79, 8.720, 332.801
Yxy	54.9284, 0.3166, 0.3149
Android (android.graphics.Color)	4291805131 (0xFFCFBFCB)
YUV	197.1520, 2.8831, 8.6367
Hunter-Lab	74.1137, 3.3224, 0.4557

# Details

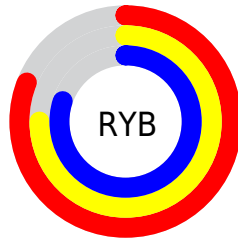
The CIELCh color  $79, 8.720, 332.801$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $82, 8.684, 151.866$ , and the grayscale version is  $80, 0.010, 296.813$ .

A 20% lighter version of the original color is  $98, 4.981, 324.553$ , and  $59, 8.555, 333.573$  is the 20% darker color. If you saturate the color by 10%, you get  $74, 20.127, 333.498$ , and if you desaturate by 10%, it is  $84, 2.534, 152.332$ .

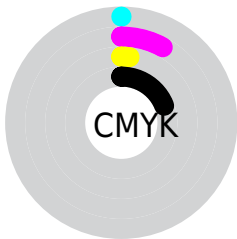
# Distribution



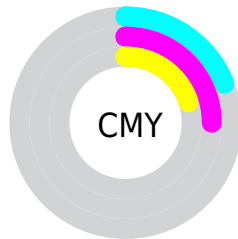
- Red (81%)
- Green (75%)
- Blue (80%)



- Red (81%)
- Yellow (75%)
- Blue (80%)



- Cyan (0%)
- Magenta (8%)
- Yellow (2%)
- Black (19%)



- Cyan (19%)
- Magenta (25%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 8.720, 332.801 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 79, 8.720, 332.801 by changing the saturation by 10% instead.



■ 79, 8.720, 332.801

■ 79, 8.720, 332.801

■ 100, 8.720,  
332.801

■ 69, 8.720, 332.801

■ 99, 8.720, 332.801

■ 59, 8.720, 332.801

■ 49, 8.720, 332.801

■ 39, 8.720, 332.801

■ 29, 8.720, 332.801

■ 19, 8.720, 332.801

■ 9, 8.720, 332.801

■ 0, 8.720, 332.801

■ 79, 8.720, 332.801

■ 79, 8.720, 332.801

74, 20.127,  
333.498

84, 2.534, 152.332

69, 31.536,  
334.212

90, 13.533,  
151.618

64, 42.706,  
334.960

96, 24.229,  
151.032

59, 53.291,  
335.750

96, 23.295,  
154.892

55, 62.845,  
336.597

96, 21.456,  
159.846

52, 70.841,  
337.521

96, 19.788,  
165.651

50, 76.766,  
338.556

96, 18.340,  
172.418

48, 80.262,  
339.752

97, 17.168,  
180.201

47, 81.377,

97, 16.336,  
188.926



# Harmonies

# Complementary

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



79, 8.720, 332.801



82, 8.684, 151.866

# Rectangle

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



79, 8.720, 332.801



79, 8.720, 22.801



79, 8.720, 152.801



79, 8.720, 202.801

# Sweetspot

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



79, 8.718, 332.803



99, 2.665, 332.327



78, 8.717, 300.401



53, 1.515, 332.313



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



79, 8.718, 332.803



94, 12.037, 332.900



79, 6.325, 0.164



41, 6.461, 332.921



38, 70.005, 341.248



5, 25.647, 338.167



# Inverse Universe

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



79, 8.718, 332.803



94, 12.037, 332.900



82, 6.160, 178.898



41, 6.461, 332.921



38, 70.005, 341.248



5, 25.647, 338.167



# Previews

## White Background



This preview shows how the CIELCh color 79, 8.720, 332.801 looks on a white background.

## Color Contrast Check

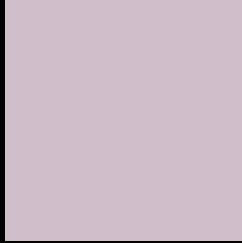
Large Text (above 18pt) WCAG AA × Fail

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 79, 8.720, 332.801 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

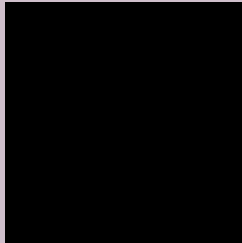
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

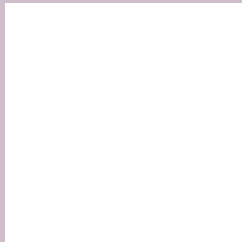
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 79, 8.720, 332.801

## Background



This preview shows how black text looks on a background with the CIELCh color 79, 8.720, 332.801.



This preview shows how white text looks on a background with the CIELCh color 79, 8.720, 332.801.

# 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

79, 8.720, 332.801

### Protanopia

79, 5.364, 294.516

### Deuteranopia

79, 10.406, 338.457





**Tritanopia**  
79, 10.170, 328.260

# Trichromacy



**Original Color**  
79, 8.720, 332.801

**Protanomaly**  
79, 5.799, 312.659

**Deuteranomaly**  
79, 10.135, 337.027

**Tritanomaly**  
79, 9.757, 330.184

# Monochromacy



**Original Color**  
79, 8.720, 332.801

**Achromatopsia**  
80, 0.010, 296.813

**Achromatomaly**  
79, 3.087, 335.759

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 79, 8.720, 332.801 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(207, 191, 203)` looks like.

```
.text, #text, p{  
    color:rgb(207, 191, 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(207, 191, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 191, 203) }
```

## Border

The CSS property to change the border of an element to CIELCh 79, 8.720, 332.801 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(207, 191, 203) }
```

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

```
.border{ border-color:rgb(207, 191, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 191, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 191, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 191, 203);  
box-shadow:4px 4px 4px 4px rgb(207, 191,  
203) }
```

# Background

The CSS property to change the background color of an element to CIELCh 79, 8.720, 332.801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 191, 203) }
```

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

```
.background{ background-color: rgb(207,  
191, 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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