

Converting Colors

CIELCh(76, 33.645, 309.229)

Have a look what the booklet for
CIELCh(76, 33.645, 309.229)
contains.

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Color

CIELCh(76, 33.850, 309.173)

Conversions

Conversions Part 1

Format	Color
Hex	CCB0EC
RGB	204, 176, 236
RGB Percent	80%, 69%, 93%
CMY	0.2004, 0.3102, 0.0749
CMYK	0.14, 0.25, 0.00, 0.07
HSL	268°, 61%, 81%
HSV	268°, 25%, 93%
XYZ	55.5073, 49.8872, 85.9840
YIQ	191.2120, -2.5720, 24.5960

Conversions

Conversions Part 2

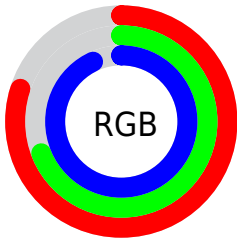
Format	Color
R_{YB}	204, 176, 236
Decimal	13414636
CIE _{Lab}	76.00, 21.38, -26.24
CIE _{LCh}	76, 33.850, 309.173
Yxy	49.8872, 0.2900, 0.2607
Android (android.graphics.Color)	4291604716 (0xFFCCB0EC)
YUV	191.2120, 22.0805, 11.2151
Hunter-Lab	70.6309, 16.6752, -22.7363

Details

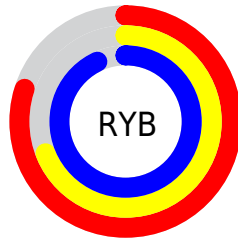
The CIELCh color **76, 33.850, 309.173** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **90, 32.584, 126.687**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 14.364, 324.919**, and **56, 34.030, 309.150** is the 20% darker color. If you saturate the color by 10%, you get **69, 47.744, 309.749**, and if you desaturate by 10%, it is **83, 20.250, 308.630**.

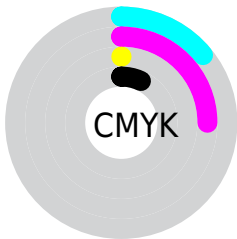
Distribution



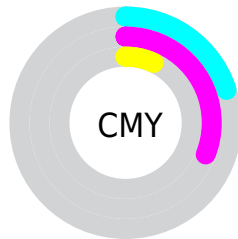
- Red (80%)
- Green (69%)
- Blue (93%)



- Red (80%)
- Yellow (69%)
- Blue (93%)



- Cyan (14%)
- Magenta (25%)
- Yellow (0%)
- Black (7%)





- Cyan (20%)
- Magenta (31%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 33.850, 309.173 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 76, 33.850, 309.173 by changing the saturation by 10% instead.


 76, 33.850,
309.173


 76, 33.850,
309.173


 100, 33.850,
309.173


 66, 33.850,
309.173


 96, 33.850,
309.173

 56, 33.850,
309.173

 46, 33.850,
309.173

 36, 33.850,
309.173

 26, 33.850,
309.173

 16, 33.850,
309.173

 6, 33.850, 309.173

0, 33.850, 309.173

76, 33.850,
309.173

76, 33.850,
309.173

69, 47.744,
309.749

83, 20.250,
308.630

63, 61.785,
310.338

90, 7.025, 308.125

56, 75.687,
310.904

96, 5.797, 127.719

51, 88.969,
311.385

99, 9.675, 111.079

100, 9.668,
109.445

45, 100.883,
311.688

41, 110.441,
311.691

■ 38,116.694,
311.274

■ 37,118.699,
310.992

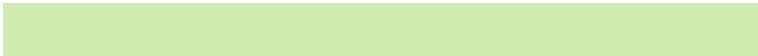
Harmonies

Complementary

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



76, 33.850, 309.173



90, 32.584, 126.687

Rectangle

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



76, 33.850, 309.173



76, 33.850, 359.173



76, 33.850, 129.173



76, 33.850, 179.173

Sweetspot

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



76, 33.848, 309.173



94, 11.062, 308.255



82, 17.623, 253.505



49, 7.879, 308.330



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 33.848, 309.173



78, 44.273, 309.498



79, 37.652, 324.404



45, 7.357, 308.326



27, 97.168, 311.181



4, 37.506, 310.494

Inverse Universe

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



78, 27.783, 344.124



80, 36.136, 344.719



88, 37.550, 141.500



46, 6.096, 342.624



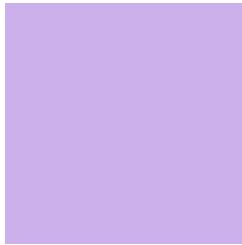
39, 66.007, 358.804



8, 28.954, 352.718

Previews

White Background



This preview shows how the CIELCh color 76, 33.850, 309.173 looks on a white background.

Color Contrast Check

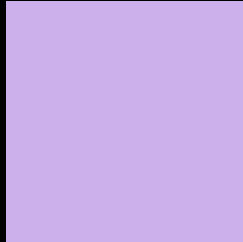
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 76, 33.850, 309.173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

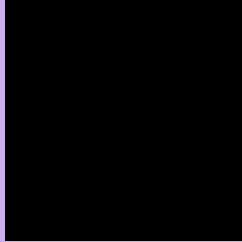
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 33.850, 309.173

Background



This preview shows how black text looks on a background with the CIELCh color 76, 33.850, 309.173.

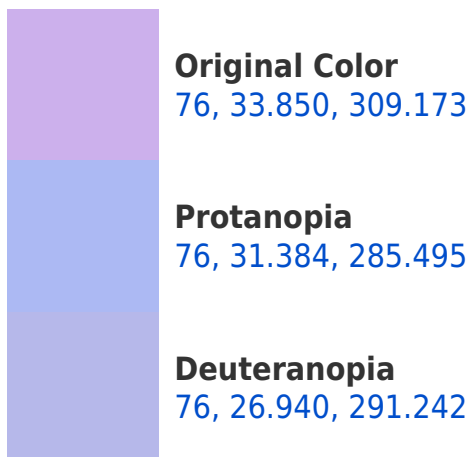



This preview shows how white text looks on a background with the CIELCh color 76, 33.850, 309.173.

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





Tritanopia
76, 9.379, 326.682

Trichromacy



Original Color
76, 33.850, 309.173

Protanomaly
76, 31.306, 294.211

Deuteranomaly
76, 29.353, 298.654

Tritanomaly
76, 18.260, 314.581

Monochromacy



Original Color
76, 33.850, 309.173

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 11.901, 308.689

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 33.850, 309.173 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, 176, 236)` looks like.

```
.text, #text, p{  
    color:rgb(204, 176, 236)  
}
```

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, 176, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 176, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 33.850, 309.173 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, 176, 236) }
```

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

```
.border{ border-color:rgb(204, 176, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 176, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 176, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 176, 236);  
box-shadow:4px 4px 4px 4px rgb(204, 176,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 33.850, 309.173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 176, 236) }
```

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

```
.background{ background-color: rgb(204,  
176, 236) }
```

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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