

Converting Colors

CIELCh(76, 41.290, 307.831)

Have a look what the booklet for
CIELCh(76, 41.290, 307.831)
contains.

CIELCh(76, 41.328, 307.838)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(76, 41.328, 307.838)

Conversions

Conversions Part 1

Format	Color
Hex	CDAEF8
RGB	205, 174, 248
RGB Percent	80%, 68%, 97%
CMY	0.1970, 0.3186, 0.0284
CMYK	0.17, 0.30, 0.00, 0.03
HSL	265°, 84%, 83%
HSV	265°, 30%, 97%
XYZ	57.1042, 49.8872, 95.2223
YIQ	191.7050, -5.2780, 29.5860

Conversions

Conversions Part 2

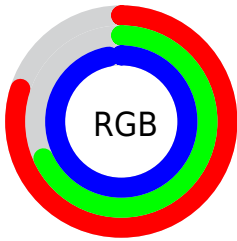
Format	Color
R _{YB}	205, 174, 248
Decimal	13479672
CIE Lab	76.00, 25.35, -32.64
CIE LCh	76, 41.328, 307.838
Yxy	49.8872, 0.2824, 0.2467
Android (android.graphics.Color)	4291669752 (0xFFCDAEF8)
YUV	191.7050, 27.7534, 11.6597
Hunter-Lab	70.6309, 20.7109, -30.4912

Details

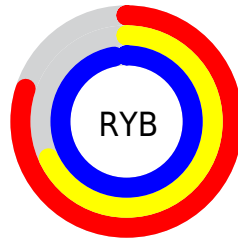
The CIELCh color **76, 41.328, 307.838** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **94, 39.308, 124.691**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 15.620, 324.964**, and **56, 41.379, 308.089** is the 20% darker color. If you saturate the color by 10%, you get **69, 55.873, 308.488**, and if you desaturate by 10%, it is **83, 27.085, 307.228**.

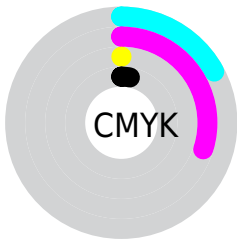
Distribution



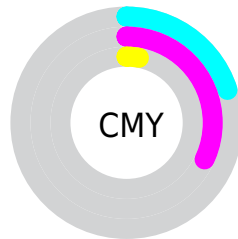
- Red (80%)
- Green (68%)
- Blue (97%)



- Red (80%)
- Yellow (68%)
- Blue (97%)



- Cyan (17%)
- Magenta (30%)
- Yellow (0%)
- Black (3%)





- Cyan (20%)
- Magenta (32%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 41.328, 307.838 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, 41.328, 307.838 by changing the saturation by 10% instead.


 76, 41.328,
307.838


 76, 41.328,
307.838


 100, 41.328,
307.838


 66, 41.328,
307.838


 96, 41.328,
307.838

 56, 41.328,
307.838

 46, 41.328,
307.838

 36, 41.328,
307.838

 26, 41.328,
307.838

 16, 41.328,
307.838

 6, 41.328, 307.838

■ 0, 41.328, 307.838

■ 76, 41.328,
307.838

■ 76, 41.328,
307.838

■ 69, 55.873,
308.488

■ 83, 27.085,
307.228

■ 62, 70.534,
309.154

■ 90, 13.240,
306.668

■ 55, 84.953,
309.786

■ 98, 0.172, 126.799

■ 49, 98.517,
310.307

■ 100, 3.666,
109.883

■ 44, 110.287,
310.601

■ 40, 119.103,
310.524

■ 37,124.409,
310.022

■ 37,124.474,
310.015

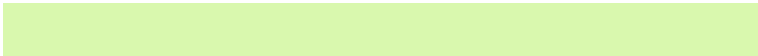
Harmonies

Complementary

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



76, 41.328, 307.838



94, 39.308, 124.691

Rectangle

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



76, 41.328, 307.838



76, 41.328, 357.838



76, 41.328, 127.838



76, 41.328, 177.838

Sweetspot

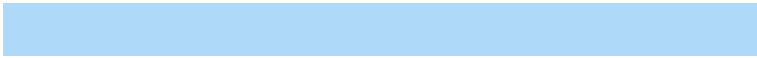
The Sweet Spot groups the original color and five complimentary colors.



76, 41.326, 307.838



93, 12.353, 306.623



85, 20.865, 250.212



49, 8.604, 306.701



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, 41.326, 307.838



74, 51.421, 308.237



79, 45.578, 323.656



48, 7.681, 306.649



28, 101.249, 310.196



5, 43.126, 310.384

Inverse Universe

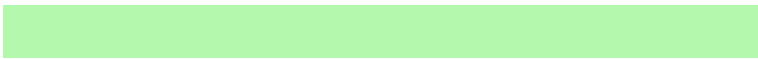
The Inverse Universe completely reimagines the original color for something new.



79, 35.044, 342.063



78, 43.198, 342.698



92, 45.358, 140.319



49, 6.636, 340.224



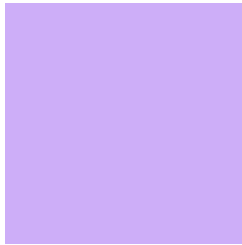
41, 69.123, 354.596



10, 32.040, 350.087

Previews

White Background



This preview shows how the CIELCh color 76, 41.328, 307.838 looks on a white background.

Color Contrast Check

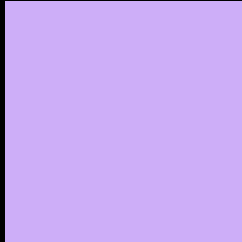
Large Text (above 18pt) WCAG AA × Fail

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, 41.328, 307.838 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, 41.328, 307.838

Background



This preview shows how black text looks on a background with the CIELCh color 76, 41.328, 307.838.




This preview shows how white text looks on a background with the CIELCh color 76, 41.328, 307.838.

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, 9.424, 321.095

Trichromacy



Original Color
76, 41.328, 307.838

Protanomaly
76, 38.285, 293.634

Deuteranomaly
76, 36.232, 295.970

Tritanomaly
76, 20.632, 310.777

Monochromacy



Original Color
76, 41.328, 307.838

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 15.104, 306.414

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 41.328, 307.838 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(205, 174, 248)` looks like.

```
.text, #text, p{  
    color:rgb(205, 174, 248)  
}
```

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(205, 174, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 174, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 41.328, 307.838 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(205, 174, 248) }
```

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

```
.border{ border-color:rgb(205, 174, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 174, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 174, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 174, 248);  
box-shadow:4px 4px 4px 4px rgb(205, 174,  
248) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 41.328, 307.838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 174, 248) }
```

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

```
.background{ background-color: rgb(205,  
174, 248) }
```

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