

Converting Colors

CIELCh(76, 46.099, 306.911)

Have a look what the booklet for
CIELCh(76, 46.099, 306.911)
contains.

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Color

CIELCh(76, 45.545, 307.039)

Conversions

Conversions Part 1

Format	Color
Hex	CDADFF
RGB	205, 173, 255
RGB Percent	80%, 68%, 100%
CMY	0.1974, 0.3229, 0.0014
CMYK	0.20, 0.32, 0.00, 0.00
HSL	263°, 99%, 84%
HSV	263°, 32%, 100%
XYZ	57.9540, 49.8872, 100.8818
YIQ	191.9160, -7.2500, 32.2860

Conversions

Conversions Part 2

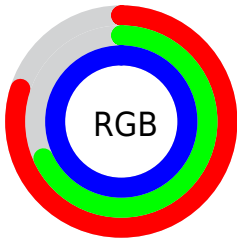
Format	Color
R _Y B	205, 173, 255
Decimal	13479423
CIE Lab	76.00, 27.43, -36.36
CIE LCh	76, 45.545, 307.039
Yxy	49.8872, 0.2777, 0.2390
Android (android.graphics.Color)	4291669503 (0xFFCDADFF)
YUV	191.9160, 31.1004, 11.4747
Hunter-Lab	70.6309, 22.8586, -35.2420

Details

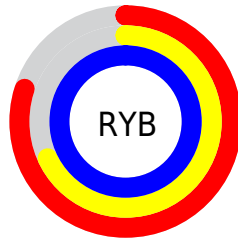
The CIELCh color `76, 45.545, 307.039` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `96, 42.999, 123.475`, and the grayscale version is `77, 0.009, 296.813`.

A 20% lighter version of the original color is `94, 16.248, 324.987`, and `56, 45.823, 307.323` is the 20% darker color. If you saturate the color by 10%, you get `69, 60.475, 307.743`, and if you desaturate by 10%, it is `83, 30.923, 306.380`.

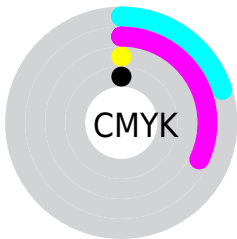
Distribution



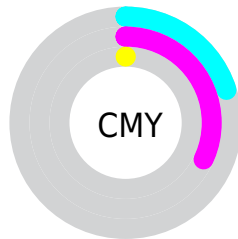
- Red (80%)
- Green (68%)
- Blue (100%)



- Red (80%)
- Yellow (68%)
- Blue (100%)



- Cyan (20%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (32%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 45.545, 307.039 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, 45.545, 307.039 by changing the saturation by 10% instead.


 76, 45.545,
307.039


 76, 45.545,
307.039


 100, 45.545,
307.039


 66, 45.545,
307.039


 96, 45.545,
307.039

 56, 45.545,
307.039

 46, 45.545,
307.039

 36, 45.545,
307.039

 26, 45.545,
307.039

 16, 45.545,
307.039

 6, 45.545, 307.039

■ 0, 45.545, 307.039

■ 76, 45.545,
307.039

■ 76, 45.545,
307.039

■ 69, 60.475,
307.743

■ 83, 30.923,
306.380

■ 62, 75.505,
308.463

■ 91, 16.717,
305.780

■ 55, 90.227,
309.145

■ 98, 2.963, 305.219

■ 49, 103.937,
309.699

■ 100, 0.169,
109.707

■ 44, 115.575,
309.994

■ 40, 123.884,
309.874

■ 38,127.861,
309.488

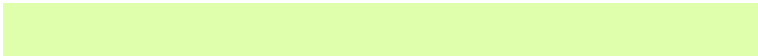
Harmonies

Complementary

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



76, 45.545, 307.039



96, 42.999, 123.475

Rectangle

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



76, 45.545, 307.039



76, 45.545, 357.039



76, 45.545, 127.039



76, 45.545, 177.039

Sweetspot

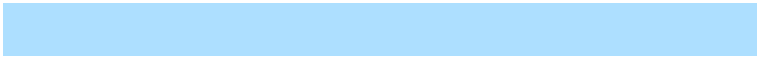
The Sweet Spot groups the original color and five complimentary colors.



76, 45.543, 307.039



93, 13.680, 305.656



86, 22.403, 246.325



48, 9.355, 305.735



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, 45.543, 307.039



71, 55.750, 307.515



80, 49.802, 322.777



49, 7.772, 305.629



27, 102.877, 309.668



5, 44.887, 309.936

Inverse Universe

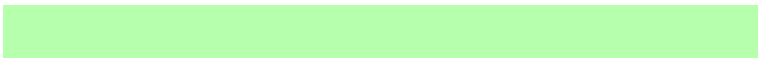
The Inverse Universe completely reimagines the original color for something new.



80, 39.348, 340.849



76, 47.568, 341.533



94, 49.431, 139.292



50, 6.885, 338.857



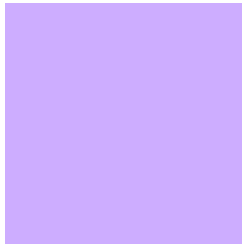
42, 70.674, 352.134



11, 33.310, 348.262

Previews

White Background



This preview shows how the CIELCh color 76, 45.545, 307.039 looks on a white background.

Color Contrast Check

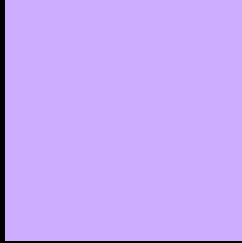
Large Text (above 18pt) WCAG AA × Fail

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, 45.545, 307.039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

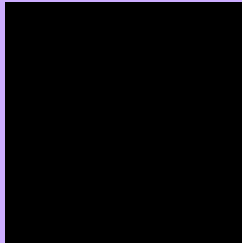
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 45.545, 307.039

Background



This preview shows how black text looks on a background with the CIELCh color 76, 45.545, 307.039.



This preview shows how white text looks on a background with the CIELCh color 76, 45.545, 307.039.

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


76, 45.545, 307.039

Protanopia

76, 37.883, 285.284

Deuteranopia

76, 36.236, 285.643



Tritanopia
76, 8.589, 318.665

Trichromacy



Original Color
76, 45.545, 307.039

Protanomaly
76, 39.887, 293.767

Deuteranomaly
76, 38.824, 294.136

Tritanomaly
76, 22.157, 309.455

Monochromacy



Original Color
76, 45.545, 307.039

Achromatopsia
78, 0.009, 296.813

Achromatomaly
77, 16.750, 306.221

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 45.545, 307.039 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, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 173, 255)  
}
```

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, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 173, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 45.545, 307.039 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, 173, 255) }
```

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

```
.border{ border-color:rgb(205, 173, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 173, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 173,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 45.545, 307.039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 173, 255) }
```

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

```
.background{ background-color: rgb(205,  
173, 255) }
```

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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