

Converting Colors

CIELCh(76, 46.222, 316.683)

Have a look what the booklet for
CIELCh(76, 46.222, 316.683)
contains.

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Color

CIELCh(76, 46.371, 317.000)

Conversions

Conversions Part 1

Format	Color
Hex	DEA7F6
RGB	222, 167, 246
RGB Percent	87%, 65%, 96%
CMY	0.1289, 0.3446, 0.0348
CMYK	0.10, 0.32, 0.00, 0.03
HSL	282°, 82%, 81%
HSV	282°, 32%, 97%
XYZ	60.6517, 49.8872, 93.7161
YIQ	192.4510, 7.4210, 36.2290

Conversions

Conversions Part 2

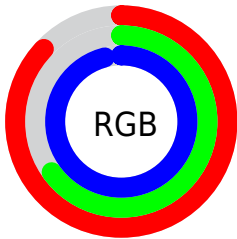
Format	Color
R _Y B	222, 167, 246
Decimal	14591990
CIE _{Lab}	76.00, 33.91, -31.62
CIE _{LCh}	76, 46.371, 317.000
Yxy	49.8872, 0.2969, 0.2442
Android (android.graphics.Color)	4292782070 (0xFFDEA7F6)
YUV	192.4510, 26.3997, 25.9145
Hunter-Lab	70.6309, 29.6762, -29.2269

Details

The CIELCh color $76, 46.371, 317.000$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $92, 45.245, 134.055$, and the grayscale version is $78, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 20.022, 325.121$, and $56, 46.312, 317.204$ is the 20% darker color. If you saturate the color by 10%, you get $70, 60.909, 317.418$, and if you desaturate by 10%, it is $82, 31.724, 316.558$.

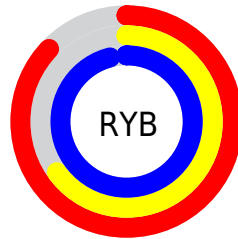
Distribution



Red (87%)

Green (65%)

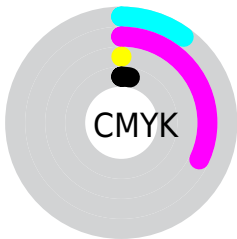
Blue (96%)



Red (87%)

Yellow (65%)

Blue (96%)

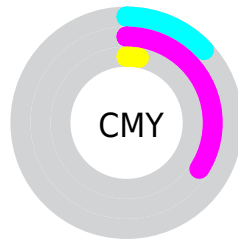


Cyan (10%)

Magenta (32%)

Yellow (0%)

Black (3%)



Cyan (13%)


Magenta (34%)


Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 46.371, 317.000 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, 46.371, 317.000 by changing the saturation by 10% instead.


 76, 46.371,
317.000

 76, 46.371,
317.000

 100, 46.371,
317.000

 66, 46.371,
317.000


 96, 46.371,
317.000

 56, 46.371,
317.000

 46, 46.371,
317.000

 36, 46.371,
317.000

 26, 46.371,
317.000

 16, 46.371,
317.000

 6, 46.371, 317.000

■ 0, 46.371, 317.000

■ 76, 46.371,
317.000

■ 76, 46.371,
317.000

■ 70, 60.909,
317.418

■ 82, 31.724,
316.558

■ 64, 74.980,
317.781

■ 89, 17.207,
316.113

■ 59, 88.054,
318.043

■ 96, 2.960, 315.631

■ 54, 99.439,
318.145

■ 100, 4.627,
122.935

■ 50, 108.358,
318.018

■ 100, 4.492,
109.825

■ 48, 114.184,
317.599

■ 46,116.775,
317.074

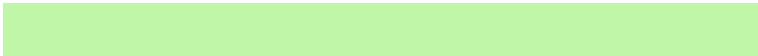
Harmonies

Complementary

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



76, 46.371, 317.000



92, 45.245, 134.055

Rectangle

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



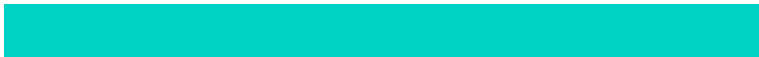
76, 46.371, 317.000



76, 46.371, 7.000



76, 46.371, 137.000



76, 46.371, 187.000

Sweetspot

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



76, 46.369, 317.000



93, 14.604, 316.021



78, 29.691, 277.491



49, 9.979, 316.084



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, 46.369, 317.000



74, 58.077, 317.296



78, 43.911, 332.003



48, 8.025, 315.997



35, 94.597, 317.240



7, 41.580, 318.446

Inverse Universe

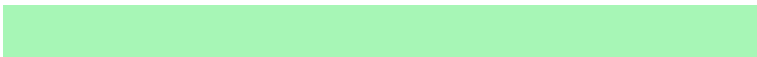
The Inverse Universe completely reimagines the original color for something new.



77, 32.369, 359.348



75, 40.749, 0.443



91, 43.764, 147.466



48, 5.489, 356.548



39, 69.107, 20.802



9, 29.670, 10.974

Previews

White Background



This preview shows how the CIELCh color 76, 46.371, 317.000 looks on a white background.

Color Contrast Check

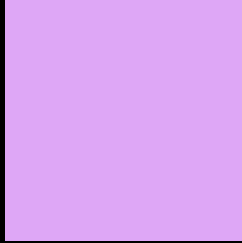
Large Text (above 18pt) WCAG AA × Fail

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, 46.371, 317.000 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, 46.371, 317.000

Background



This preview shows how black text looks on a background with the CIELCh color 76, 46.371, 317.000.



This preview shows how white text looks on a background with the CIELCh color 76, 46.371, 317.000.

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, 15.437, 351.684

Trichromacy



Original Color
76, 46.371, 317.000



Protanomaly
76, 40.121, 297.828



Deuteranomaly
76, 36.064, 301.144

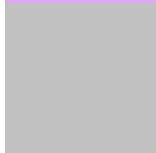


Tritanomaly
76, 25.678, 328.927

Monochromacy



Original Color
76, 46.371, 317.000



Achromatopsia
78, 0.009, 296.813



Achromatomaly
77, 16.734, 316.730

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 46.371, 317.000 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(222, 167, 246)` looks like.

```
.text, #text, p{  
    color:rgb(222, 167, 246)  
}
```

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(222, 167, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 167, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 46.371, 317.000 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(222, 167, 246) }
```

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

```
.border{ border-color:rgb(222, 167, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 167, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 167, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 167, 246);  
box-shadow:4px 4px 4px 4px rgb(222, 167,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 46.371, 317.000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 167, 246) }
```

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

```
.background{ background-color: rgb(222,  
167, 246) }
```

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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