

Converting Colors

CIELCh(76, 41.479, 298.631)

Have a look what the booklet for
CIELCh(76, 41.479, 298.631)
contains.

CIELCh(76, 41.766, 298.635)	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, 41.766, 298.635)

Conversions

Conversions Part 1

Format	Color
Hex	BDB2FF
RGB	189, 178, 255
RGB Percent	74%, 70%, 100%
CMY	0.2588, 0.3019, 0.0000
CMYK	0.26, 0.30, 0.00, 0.00
HSL	249°, 100%, 85%
HSV	249°, 30%, 100%
XYZ	54.9647, 49.8872, 101.3519
YIQ	190.0670, -18.1610, 26.2790

Conversions

Conversions Part 2

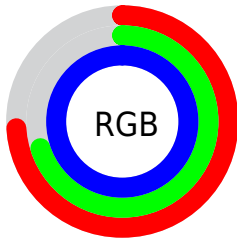
Format	Color
R _Y B	189, 178, 255
Decimal	12432127
CIE Lab	76.00, 20.02, -36.66
CIE LCh	76, 41.766, 298.635
Yxy	49.8872, 0.2666, 0.2419
Android (android.graphics.Color)	4290622207 (0xFFBDB2FF)
YUV	190.0670, 32.0120, -0.9358
Hunter-Lab	70.6309, 15.3038, -35.6367

Details

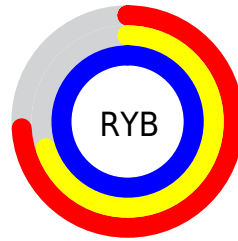
The CIELCh color **76, 41.766, 298.635** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **98, 38.880, 113.473**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 11.645, 311.861**, and **56, 42.012, 298.766** is the 20% darker color. If you saturate the color by 10%, you get **68, 56.703, 299.883**, and if you desaturate by 10%, it is **84, 27.368, 297.545**.

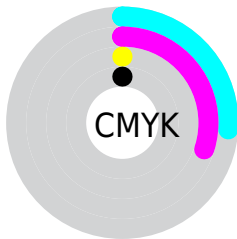
Distribution



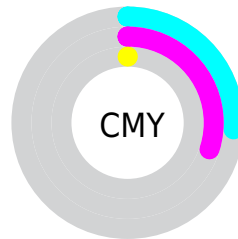
- Red (74%)
- Green (70%)
- Blue (100%)



- Red (74%)
- Yellow (70%)
- Blue (100%)



- Cyan (26%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)





- Cyan (26%)
- Magenta (30%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 41.766, 298.635 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, 41.766, 298.635 by changing the saturation by 10% instead.


 76, 41.766,
298.635

 76, 41.766,
298.635


 100, 41.766,
298.635


 66, 41.766,
298.635


 96, 41.766,
298.635

 56, 41.766,
298.635

 46, 41.766,
298.635

 36, 41.766,
298.635

 26, 41.766,
298.635

 16, 41.766,
298.635

 6, 41.766, 298.635

■ 0, 41.766, 298.635

■ 76, 41.766,
298.635

■ 76, 41.766,
298.635

■ 68, 56.703,
299.883

■ 84, 27.368,
297.545

■ 60, 72.131,
301.279

■ 92, 13.543,
296.604

■ 53, 87.789,
302.782

100, 0.258,
295.842

■ 46, 103.083,
304.285

100, 0.012,
296.813

■ 40, 116.818,
305.598

■ 36, 127.166,
306.459

■ 33, 132.833,
306.745

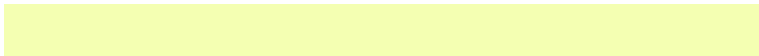
Harmonies

Complementary

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



76, 41.766, 298.635



98, 38.880, 113.473

Rectangle

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



76, 41.766, 298.635



76, 41.766, 348.635



76, 41.766, 118.635



76, 41.766, 168.635

Sweetspot

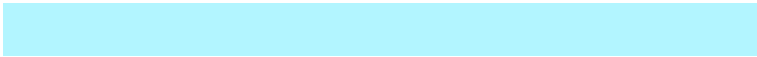
The Sweet Spot groups the original color and five complimentary colors.



76, 41.756, 298.635



93, 11.935, 296.502



93, 21.707, 212.383



48, 8.316, 296.627



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, 41.756, 298.635



71, 50.376, 299.341



79, 44.290, 314.909



49, 7.547, 296.545



24, 106.847, 306.831



4, 44.447, 304.498

Inverse Universe

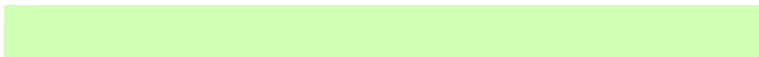
The Inverse Universe completely reimagines the original color for something new.



82, 43.739, 330.458



78, 51.960, 330.827



95, 43.013, 132.180



50, 8.207, 329.156



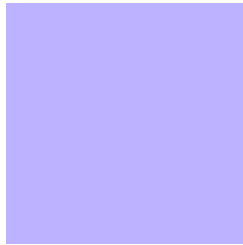
44, 83.216, 334.894



12, 38.797, 333.980

Previews

White Background



This preview shows how the CIELCh color 76, 41.766, 298.635 looks on a white background.

Color Contrast Check

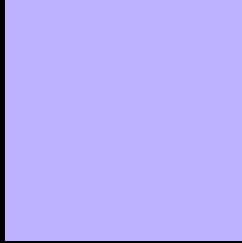
Large Text (above 18pt) WCAG AA × Fail

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, 41.766, 298.635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

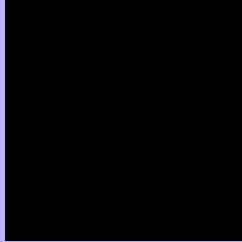
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 41.766, 298.635

Background



This preview shows how black text looks on a background with the CIELCh color 76, 41.766, 298.635.



This preview shows how white text looks on a background with the CIELCh color 76, 41.766, 298.635.

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, 8.616, 269.274

Trichromacy



Original Color
76, 41.766, 298.635

Protanomaly
76, 39.341, 290.597

Deuteranomaly
76, 38.798, 290.948

Tritanomaly
76, 20.494, 291.122

Monochromacy



Original Color
76, 41.766, 298.635

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 15.166, 296.849

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 41.766, 298.635 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(189, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 178, 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(189, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 178, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 41.766, 298.635 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(189, 178, 255) }
```

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

```
.border{ border-color:rgb(189, 178, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 178,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 41.766, 298.635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 178, 255) }
```

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

```
.background{ background-color: rgb(189,  
178, 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](#).

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