

Converting Colors

CIELCh(76, 16.803, 304.474)

Have a look what the booklet for
CIELCh(76, 16.803, 304.474)
contains.

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Color

CIELCh(76, 16.616, 303.859)

Conversions

Conversions Part 1

Format	Color
Hex	C1B7D5
RGB	193, 183, 213
RGB Percent	76%, 72%, 84%
CMY	0.2439, 0.2831, 0.1655
CMYK	0.09, 0.14, 0.00, 0.17
HSL	260°, 26%, 78%
HSV	260°, 14%, 83%
XYZ	50.8153, 49.8872, 69.7628
YIQ	189.4100, -3.6700, 11.4500

Conversions

Conversions Part 2

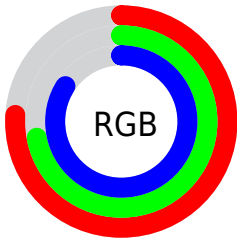
Format	Color
R _{YB}	193, 183, 213
Decimal	12695509
CIE Lab	76.00, 9.26, -13.80
CIE LCh	76, 16.616, 303.859
Yxy	49.8872, 0.2981, 0.2927
Android (android.graphics.Color)	4290885589 (0xFFC1B7D5)
YUV	189.4100, 11.6299, 3.1484
Hunter-Lab	70.6309, 4.8175, -9.1197

Details

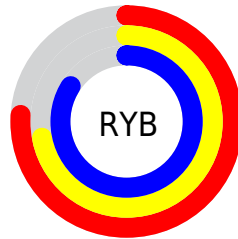
The CIELCh color **76, 16.616, 303.859** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84, 16.189, 122.283**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 9.107, 315.576**, and **56, 16.459, 303.648** is the 20% darker color. If you saturate the color by 10%, you get **69, 28.888, 304.529**, and if you desaturate by 10%, it is **83, 4.749, 303.254**.

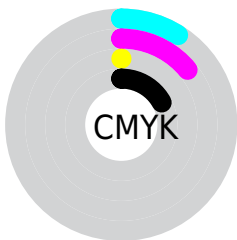
Distribution



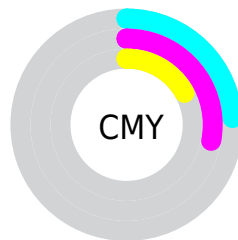
- Red (76%)
- Green (72%)
- Blue (84%)



- Red (76%)
- Yellow (72%)
- Blue (84%)



- Cyan (9%)
- Magenta (14%)
- Yellow (0%)
- Black (17%)





- Cyan (24%)
- Magenta (28%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 16.616, 303.859 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, 16.616, 303.859 by changing the saturation by 10% instead.


 76, 16.616,
303.859


 76, 16.616,
303.859


 100, 16.616,
303.859


 66, 16.616,
303.859


 96, 16.616,
303.859

 56, 16.616,
303.859

 46, 16.616,
303.859

 36, 16.616,
303.859

 26, 16.616,
303.859

 16, 16.616,
303.859

 6, 16.616, 303.859

0, 16.616, 303.859

76, 16.616,
303.859

76, 16.616,
303.859

69, 28.888,
304.529

83, 4.749, 303.254

89, 6.708, 122.756

63, 41.544,
305.274

96, 17.769,
122.297

57, 54.506,
306.081

99, 21.442,
113.957

50, 67.596,
306.922

99, 21.326,
108.562

44, 80.464,
307.739

39, 92.476,
308.434

■ 35,102.649,
308.861

■ 31,109.801,
308.851

■ 30,112.748,
308.694

Harmonies

Complementary

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



76, 16.616, 303.859



84, 16.189, 122.283

Rectangle

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



76, 16.616, 303.859



76, 16.616, 353.859



76, 16.616, 123.859



76, 16.616, 173.859

Sweetspot

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



76, 16.614, 303.857



97, 5.374, 303.251



81, 8.641, 234.911



51, 3.823, 303.295



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, 16.614, 303.857



87, 23.331, 304.056



77, 18.419, 319.927



42, 6.673, 303.569



23, 95.559, 308.840



2, 28.174, 302.566

Inverse Universe

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



77, 15.396, 336.648



89, 21.549, 336.885



83, 18.298, 138.635



42, 6.211, 336.291



38, 67.078, 347.261



6, 25.869, 343.054

Previews

White Background



This preview shows how the CIELCh color 76, 16.616, 303.859 looks on a white background.

Color Contrast Check

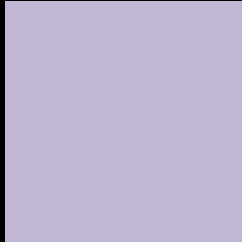
Large Text (above 18pt) WCAG AA × Fail

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, 16.616, 303.859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

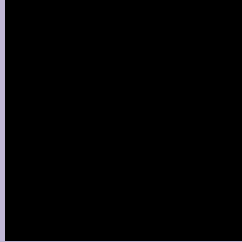
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 16.616, 303.859

Background



This preview shows how black text looks on a background with the CIELCh color 76, 16.616, 303.859.



This preview shows how white text looks on a background with the CIELCh color 76, 16.616, 303.859.

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, 16.616, 303.859

Protanopia

76, 15.657, 286.573

Deuteranopia

76, 16.696, 305.048



Tritanopia
76, 8.404, 305.865

Trichromacy



Original Color
76, 16.616, 303.859

Protanomaly
76, 15.645, 292.897

Deuteranomaly
76, 16.696, 305.048

Tritanomaly
76, 11.724, 305.334

Monochromacy



Original Color
76, 16.616, 303.859

Achromatopsia
77, 0.009, 296.813

Achromatomaly
76, 6.039, 301.102

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 16.616, 303.859 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(193, 183, 213)` looks like.

```
.text, #text, p{  
    color:rgb(193, 183, 213)  
}
```

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(193, 183, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 183, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 16.616, 303.859 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(193, 183, 213) }
```

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

```
.border{ border-color:rgb(193, 183, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 183, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 183, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 183, 213);  
box-shadow:4px 4px 4px 4px rgb(193, 183,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 16.616, 303.859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 183, 213) }
```

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

```
.background{ background-color: rgb(193,  
183, 213) }
```

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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