

Converting Colors

CIELCh(76, 16.320, 265.572)

Have a look what the booklet for
CIELCh(76, 16.320, 265.572)
contains.

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Color

CIELCh(76, 16.449, 266.130)

Conversions

Conversions Part 1

Format	Color
Hex	A8BDD9
RGB	168, 189, 217
RGB Percent	66%, 74%, 85%
CMY	0.3401, 0.2578, 0.1479
CMYK	0.23, 0.13, 0.00, 0.15
HSL	214°, 39%, 76%
HSV	214°, 23%, 85%
XYZ	47.0192, 49.8872, 72.9834
YIQ	185.9130, -21.5040, 4.2560

Conversions

Conversions Part 2

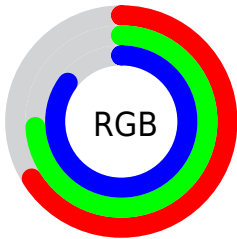
Format	Color
RYB	168, 183, 217
Decimal	11058649
CIELab	76.00, -1.11, -16.41
CIELCh	76, 16.449, 266.130
Yxy	49.8872, 0.2768, 0.2936
Android (android.graphics.Color)	4289248729 (0xFFA8BDD9)
YUV	185.9130, 15.3259, -15.7097
Hunter-Lab	70.6309, -4.7761, -11.8231

Details

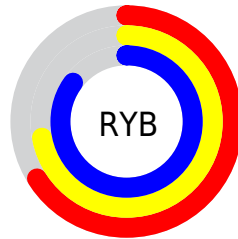
The CIELCh color **76, 16.449, 266.130** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **80, 17.024, 79.810**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 8.669, 235.503**, and **56, 16.327, 265.434** is the 20% darker color. If you saturate the color by 10%, you get **71, 23.747, 268.058**, and if you desaturate by 10%, it is **81, 9.150, 264.497**.

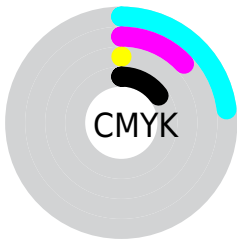
Distribution



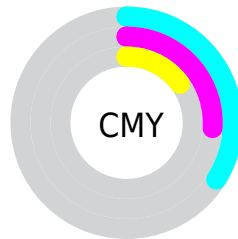
- Red (66%)
- Green (74%)
- Blue (85%)



- Red (66%)
- Yellow (72%)
- Blue (85%)



- Cyan (23%)
- Magenta (13%)
- Yellow (0%)
- Black (15%)





- Cyan (34%)
- Magenta (26%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 16.449, 266.130 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, 16.449, 266.130 by changing the saturation by 10% instead.


 76, 16.449,
266.130


 76, 16.449,
266.130


 100, 16.449,
266.130


 66, 16.449,
266.130


 96, 16.449,
266.130

 56, 16.449,
266.130

 46, 16.449,
266.130

 36, 16.449,
266.130

 26, 16.449,
266.130

 16, 16.449,
266.130

 6, 16.449, 266.130

0, 16.449, 266.130

76, 16.449,
266.130

76, 16.449,
266.130

71, 23.747,
268.058

81, 9.150, 264.497

67, 31.044,
270.339

86, 1.867, 263.237

90, 5.388, 81.797

62, 38.344,
273.017

95, 12.569, 81.059

57, 45.676,
276.130

98, 17.320,
104.391

53, 53.091,
279.676

99, 19.072,
108.735

49, 60.656,
283.596

■ 45, 68.422,
287.746

■ 43, 74.340,
290.778

Harmonies

Complementary

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



76, 16.449, 266.130



80, 17.024, 79.810

Rectangle

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



76, 16.449, 266.130



76, 16.449, 316.130



76, 16.449, 86.130



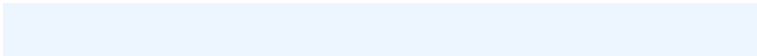
76, 16.449, 136.130

Sweetspot

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



76, 16.448, 266.126



96, 5.808, 263.728



83, 20.828, 165.324



51, 3.774, 263.808



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, 16.448, 266.126



85, 22.423, 266.991



71, 26.878, 295.103



44, 4.167, 264.048



34, 61.816, 290.108



6, 20.130, 279.871

Inverse Universe

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



74, 21.585, 349.840



83, 29.546, 350.378



85, 25.503, 110.850



43, 5.383, 348.478



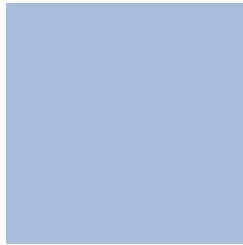
37, 63.271, 8.636



6, 24.472, 359.381

Previews

White Background



This preview shows how the CIELCh color 76, 16.449, 266.130 looks on a white background.

Color Contrast Check

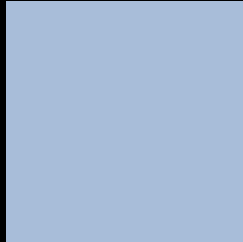
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 76, 16.449, 266.130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

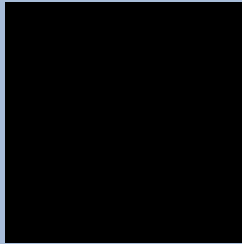
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

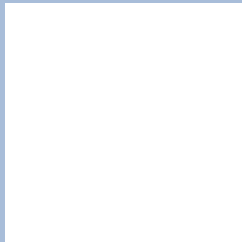
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 16.449, 266.130

Background



This preview shows how black text looks on a background with the CIELCh color 76, 16.449, 266.130.



This preview shows how white text looks on a background with the CIELCh color 76, 16.449, 266.130.

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, 16.449, 266.130

Protanopia
76, 15.657, 286.573

Deuteranopia
76, 19.617, 299.029



Tritanopia
76, 11.631, 243.122

Trichromacy



Original Color
76, 16.449, 266.130

Protanomaly
76, 15.905, 279.222

Deuteranomaly
76, 17.800, 288.520

Tritanomaly
76, 13.138, 254.418

Monochromacy



Original Color
76, 16.449, 266.130

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 5.903, 265.521

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 16.449, 266.130 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(168, 189, 217)` looks like.

```
.text, #text, p{  
    color:rgb(168, 189, 217)  
}
```

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(168, 189, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 189, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 16.449, 266.130 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(168, 189, 217) }
```

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

```
.border{ border-color:rgb(168, 189, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 189, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 189, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 189, 217);  
box-shadow:4px 4px 4px 4px rgb(168, 189,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 16.449, 266.130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 189, 217) }
```

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

```
.background{ background-color: rgb(168,  
189, 217) }
```

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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