

Converting Colors

CIELCh(76, 46.683, 293.189)

Have a look what the booklet for
CIELCh(76, 46.683, 293.189)
contains.

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Color

CIELCh(76, 40.459, 292.533)

Conversions

Conversions Part 1

Format	Color
Hex	B2B5FF
RGB	178, 181, 255
RGB Percent	70%, 71%, 100%
CMY	0.3013, 0.2896, 0.0000
CMYK	0.30, 0.29, 0.00, 0.00
HSL	238°, 100%, 85%
HSV	238°, 30%, 100%
XYZ	53.1983, 49.8872, 102.4657
YIQ	188.5390, -25.5420, 22.3780

Conversions

Conversions Part 2

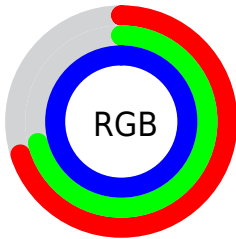
Format	Color
RYB	178, 181, 255
Decimal	11711999
CIELab	76.00, 15.50, -37.37
CIELCh	76, 40.459, 292.533
Yxy	49.8872, 0.2588, 0.2427
Android (android.graphics.Color)	4289902079 (0xFFB2B5FF)
YUV	188.5390, 32.7653, -9.2427
Hunter-Lab	70.6309, 10.8399, -36.5716

Details

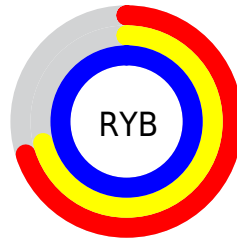
The CIELCh color `76, 40.459, 292.533` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `98, 37.175, 105.549`, and the grayscale version is `76, 0.009, 296.813`.

A 20% lighter version of the original color is `94, 9.287, 286.684`, and `56, 40.089, 292.547` is the 20% darker color. If you saturate the color by 10%, you get `68, 54.149, 294.204`, and if you desaturate by 10%, it is `84, 26.053, 290.959`.

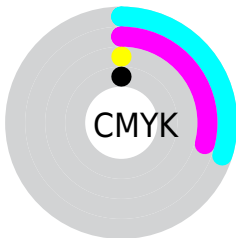
Distribution



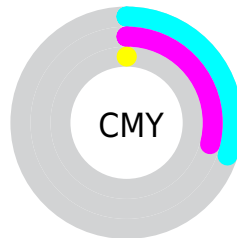
- Red (70%)
- Green (71%)
- Blue (100%)



- Red (70%)
- Yellow (71%)
- Blue (100%)



- Cyan (30%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 40.459, 292.533 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, 40.459, 292.533 by changing the saturation by 10% instead.


 76, 40.459,
292.533


 76, 40.459,
292.533


 100, 40.459,
292.533


 66, 40.459,
292.533


 96, 40.459,
292.533

 56, 40.459,
292.533

 46, 40.459,
292.533

 36, 40.459,
292.533

 26, 40.459,
292.533

 16, 40.459,
292.533

 6, 40.459, 292.533

■ 0, 40.459, 292.533

■ 76, 40.459,
292.533

■ 76, 40.459,
292.533

■ 68, 54.149,
294.204

■ 84, 26.053,
290.959

■ 60, 69.079,
296.222

■ 92, 12.855,
289.693

■ 53, 84.470,
298.475

100, 0.169,
289.174

■ 46, 99.885,
300.850

100, 0.012,
296.813

■ 40, 114.268,
303.116

■ 35, 125.750,
304.935

■ 33, 132.314,
305.977

Harmonies

Complementary

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



76, 40.459, 292.533



98, 37.175, 105.549

Rectangle

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



76, 40.459, 292.533



76, 40.459, 342.533



76, 40.459, 112.533



76, 40.459, 162.533

Sweetspot

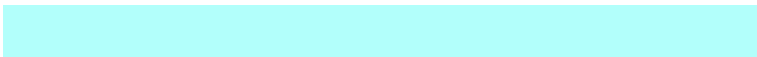
The Sweet Spot groups the original color and five complimentary colors.



76, 39.806, 292.453



93, 11.401, 289.564



95, 24.827, 193.281



48, 7.944, 289.731



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, 39.806, 292.453



71, 48.157, 293.449



78, 42.878, 308.894



49, 7.209, 289.622



23, 106.054, 305.843



4, 42.904, 301.113

Inverse Universe

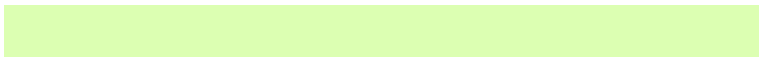
The Inverse Universe completely reimagines the original color for something new.



80, 30.012, 19.025



76, 36.569, 19.870



96, 40.884, 125.836



49, 5.255, 16.823



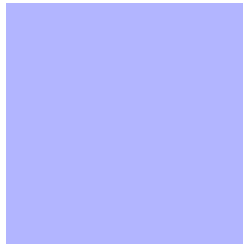
40, 82.565, 38.520



10, 33.053, 25.633

Previews

White Background



This preview shows how the CIELCh color 76, 40.459, 292.533 looks on a white background.

Color Contrast Check

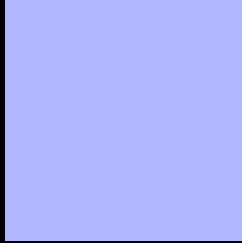
Large Text (above 18pt) WCAG AA × Fail

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, 40.459, 292.533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

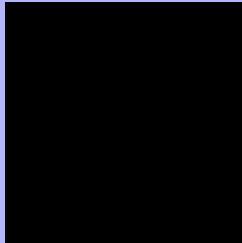
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 40.459, 292.533

Background



This preview shows how black text looks on a background with the CIELCh color 76, 40.459, 292.533.



This preview shows how white text looks on a background with the CIELCh color 76, 40.459, 292.533.

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, 39.886, 292.449

Protanopia

76, 37.917, 284.847

Deuteranopia

76, 37.886, 285.748



Tritanopia
76, 11.165, 245.512

Trichromacy



Original Color
76, 39.886, 292.449

Protanomaly
76, 38.329, 287.233

Deuteranomaly
76, 38.320, 288.139

Tritanomaly
76, 20.402, 277.868

Monochromacy



Original Color
76, 39.886, 292.449

Achromatopsia
77, 0.009, 296.813

Achromatomaly
76, 14.543, 290.155

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 40.459, 292.533 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(178, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 181, 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(178, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 181, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 40.459, 292.533 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(178, 181, 255) }
```

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

```
.border{ border-color:rgb(178, 181, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 181,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 40.459, 292.533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 181, 255) }
```

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

```
.background{ background-color: rgb(178,  
181, 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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