

Converting Colors

CIELCh(76, 39.305, 293.798)

Have a look what the booklet for
CIELCh(76, 39.305, 293.798)
contains.

CIELCh(76, 39.353, 293.723)	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, 39.353, 293.723)

Conversions

Conversions Part 1

Format	Color
Hex	B5B5FE
RGB	181, 181, 254
RGB Percent	71%, 71%, 100%
CMY	0.2911, 0.2911, 0.0049
CMYK	0.29, 0.29, 0.00, 0.00
HSL	240°, 97%, 85%
HSV	240°, 29%, 100%
XYZ	53.3254, 49.8872, 100.3743
YIQ	189.3220, -23.4330, 22.7030

Conversions

Conversions Part 2

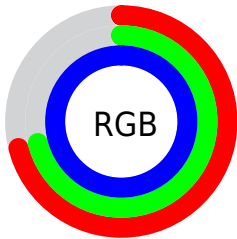
Format	Color
R _Y B	181, 181, 254
Decimal	11908606
CIE Lab	76.00, 15.83, -36.03
CIE LCh	76, 39.353, 293.723
Yxy	49.8872, 0.2619, 0.2450
Android (android.graphics.Color)	4290098686 (0xFFB5B5FE)
YUV	189.3220, 31.8863, -7.2984
Hunter-Lab	70.6309, 11.1610, -34.8160

Details

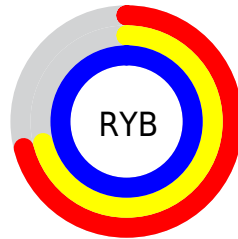
The CIELCh color $76, 39.353, 293.723$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $98, 36.683, 107.366$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $94, 9.284, 293.022$, and $56, 39.510, 293.767$ is the 20% darker color. If you saturate the color by 10%, you get $68, 54.197, 295.398$, and if you desaturate by 10%, it is $84, 25.131, 292.294$.

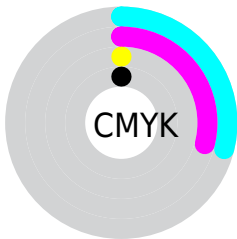
Distribution



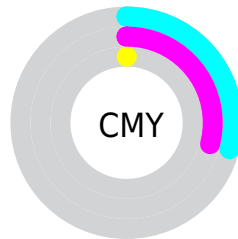
- Red (71%)
- Green (71%)
- Blue (100%)



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



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 39.353, 293.723 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, 39.353, 293.723 by changing the saturation by 10% instead.


 76, 39.353,
293.723


 76, 39.353,
293.723


 100, 39.353,
293.723


 66, 39.353,
293.723


 96, 39.353,
293.723

 56, 39.353,
293.723

 46, 39.353,
293.723

 36, 39.353,
293.723

 26, 39.353,
293.723

 16, 39.353,
293.723

 6, 39.353, 293.723

■ 0, 39.353, 293.723

■ 76, 39.353,
293.723

■ 76, 39.353,
293.723

■ 68, 54.197,
295.398

■ 84, 25.131,
292.294

■ 60, 69.651,
297.327

■ 92, 11.503,
291.087

■ 52, 85.550,
299.475

100, 0.622,
110.007

■ 45, 101.366,
301.718

■ 39, 115.860,
303.806

■ 34, 126.930,
305.388

■ 32, 132.774,
306.211

■ 32, 133.314,
306.286

Harmonies

Complementary

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



76, 39.353, 293.723



98, 36.683, 107.366

Rectangle

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



76, 39.353, 293.723



76, 39.353, 343.723



76, 39.353, 113.723



76, 39.353, 163.723

Sweetspot

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



76, 39.351, 293.723



93, 11.865, 291.113



95, 23.510, 196.423



48, 8.269, 291.277



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, 39.351, 293.723



71, 48.730, 294.739



79, 40.903, 309.924



49, 7.503, 291.170



23, 107.776, 306.286



3, 44.124, 301.757

Inverse Universe

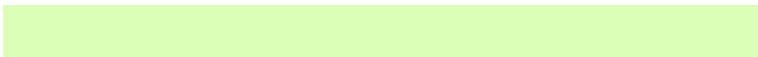
The Inverse Universe completely reimagines the original color for something new.



80, 28.551, 21.788



77, 35.691, 22.607



96, 39.217, 127.121



49, 5.254, 19.935



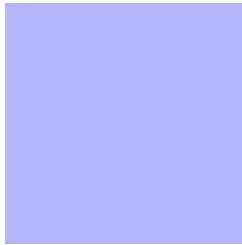
40, 84.225, 39.996



10, 33.367, 27.172

Previews

White Background



This preview shows how the CIELCh color 76, 39.353, 293.723 looks on a white background.

Color Contrast Check

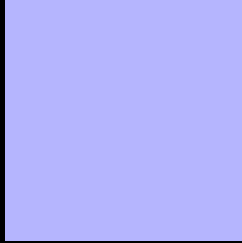
Large Text (above 18pt) WCAG AA × Fail

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, 39.353, 293.723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

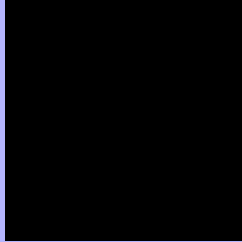
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 39.353, 293.723

Background



This preview shows how black text looks on a background with the CIELCh color 76, 39.353, 293.723.

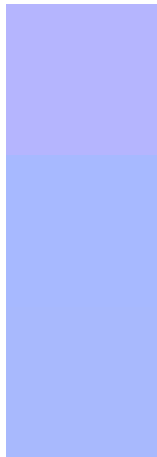


This preview shows how white text looks on a background with the CIELCh color 76, 39.353, 293.723.

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

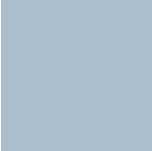
76, 39.353, 293.723

Protanopia

76, 37.883, 285.284

Deuteranopia

76, 36.796, 285.364



Tritanopia
76, 10.296, 250.974

Trichromacy



Original Color
76, 39.353, 293.723

Protanomaly
76, 38.830, 288.712

Deuteranomaly
76, 37.749, 288.909

Tritanomaly
76, 19.690, 280.190

Monochromacy



Original Color
76, 39.353, 293.723

Achromatopsia
77, 0.009, 296.813

Achromatomaly
76, 14.545, 291.524

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 39.353, 293.723 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(181, 181, 254)` looks like.

```
.text, #text, p{  
    color:rgb(181, 181, 254)  
}
```

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(181, 181, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 181, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 39.353, 293.723 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(181, 181, 254) }
```

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

```
.border{ border-color:rgb(181, 181, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 181, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 181, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 181, 254);  
box-shadow:4px 4px 4px 4px rgb(181, 181,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 39.353, 293.723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 181, 254) }
```

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

```
.background{ background-color: rgb(181,  
181, 254) }
```

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