

Converting Colors

CIELCh(76, 36.668, 293.222)

Have a look what the booklet for
CIELCh(76, 36.668, 293.222)
contains.

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Color

CIELCh(76, 36.681, 293.500)

Conversions

Conversions Part 1

Format	Color
Hex	B5B5F9
RGB	181, 181, 249
RGB Percent	71%, 71%, 98%
CMY	0.2890, 0.2890, 0.0223
CMYK	0.27, 0.27, 0.00, 0.02
HSL	240°, 86%, 84%
HSV	240°, 27%, 98%
XYZ	52.8590, 49.8872, 96.7236
YIQ	188.7520, -21.8280, 21.1480

Conversions

Conversions Part 2

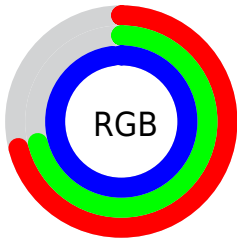
Format	Color
R_{YB}	181, 181, 249
Decimal	11908601
CIE _{Lab}	76.00, 14.63, -33.64
CIE _{LCh}	76, 36.681, 293.500
Yxy	49.8872, 0.2650, 0.2501
Android (android.graphics.Color)	4290098681 (0xFFB5B5F9)
YUV	188.7520, 29.7023, -6.7985
Hunter-Lab	70.6309, 9.9823, -31.7515

Details

The CIELCh color **76, 36.681, 293.500** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **97, 34.338, 107.522**, 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, 36.684, 293.878** is the 20% darker color. If you saturate the color by 10%, you get **68, 51.222, 295.134**, and if you desaturate by 10%, it is **84, 22.749, 292.108**.

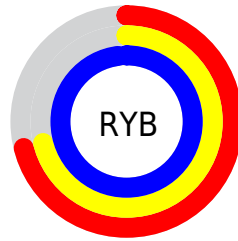
Distribution



Red (71%)

Green (71%)

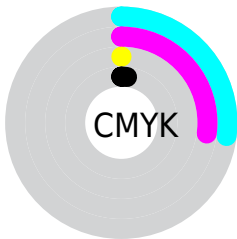
Blue (98%)



Red (71%)

Yellow (71%)

Blue (98%)

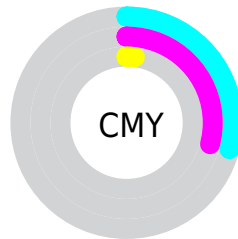


Cyan (27%)

Magenta (27%)

Yellow (0%)

Black (2%)



Cyan (29%)


Magenta (29%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 36.681, 293.500 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, 36.681, 293.500 by changing the saturation by 10% instead.


 76, 36.681,
293.500


 76, 36.681,
293.500


 100, 36.681,
293.500


 66, 36.681,
293.500


 96, 36.681,
293.500

 56, 36.681,
293.500

 46, 36.681,
293.500

 36, 36.681,
293.500

 26, 36.681,
293.500

 16, 36.681,
293.500

 6, 36.681, 293.500

0, 36.681, 293.500

76, 36.681,
293.500

76, 36.681,
293.500

68, 51.222,
295.134

84, 22.749,
292.108

60, 66.372,
297.024

92, 9.397, 290.933

52, 82.001,
299.141

100, 2.871,
109.937

45, 97.664,
301.378

39, 112.271,
303.509

34, 123.863,
305.191

■ 32, 130.359,
306.119

■ 31, 131.549,
306.287

Harmonies

Complementary

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



76, 36.681, 293.500



97, 34.338, 107.522

Rectangle

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



76, 36.681, 293.500



76, 36.681, 343.500



76, 36.681, 113.500



76, 36.681, 163.500

Sweetspot

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



76, 36.679, 293.500



93, 10.528, 291.012



94, 22.030, 198.036



49, 7.504, 291.178



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, 36.679, 293.500



73, 45.751, 294.410



79, 38.276, 310.396



48, 7.380, 291.176



23, 106.708, 306.288



3, 42.026, 300.809

Inverse Universe

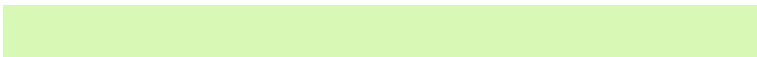
The Inverse Universe completely reimagines the original color for something new.



82, 42.809, 325.936



80, 52.581, 326.241



94, 36.840, 127.794



49, 8.907, 324.949



45, 92.149, 328.237



12, 41.692, 328.236

Previews

White Background



This preview shows how the CIELCh color 76, 36.681, 293.500 looks on a white background.

Color Contrast Check

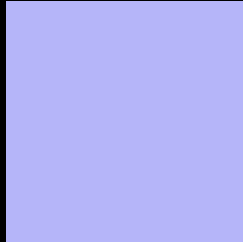
Large Text (above 18pt) WCAG AA × Fail

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, 36.681, 293.500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

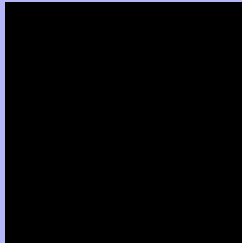
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 36.681, 293.500

Background



This preview shows how black text looks on a background with the CIELCh color 76, 36.681, 293.500.



This preview shows how white text looks on a background with the CIELCh color 76, 36.681, 293.500.

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, 36.681, 293.500

Protanopia

76, 36.269, 285.178

Deuteranopia

76, 35.099, 287.250



Tritanopia
76, 10.091, 252.491

Trichromacy



Original Color
76, 36.681, 293.500

Protanomaly
76, 36.138, 288.028

Deuteranomaly
76, 35.586, 289.377

Tritanomaly
76, 18.644, 279.360

Monochromacy



Original Color
76, 36.681, 293.500

Achromatopsia
77, 0.009, 296.813

Achromatomaly
76, 13.469, 291.427

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 36.681, 293.500 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, 249)` looks like.

```
.text, #text, p{  
    color:rgb(181, 181, 249)  
}
```

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, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 181, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 36.681, 293.500 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, 249) }
```

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

```
.border{ border-color:rgb(181, 181, 249) }
```

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, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 181, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 181, 249);  
box-shadow:4px 4px 4px 4px rgb(181, 181,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 36.681, 293.500 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, 249) }
```

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

```
.background{ background-color: rgb(181,  
181, 249) }
```

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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