

Converting Colors

CIELCh(80, 29.446, 284.492)

Have a look what the booklet for
CIELCh(80, 29.446, 284.492)
contains.

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Color

CIELCh(80, 29.489, 284.689)

Conversions

Conversions Part 1

Format	Color
Hex	B7C4FB
RGB	183, 196, 251
RGB Percent	72%, 77%, 98%
CMY	0.2813, 0.2303, 0.0146
CMYK	0.27, 0.22, 0.00, 0.01
HSL	229°, 90%, 85%
HSV	229°, 27%, 99%
XYZ	56.8476, 56.6813, 99.4398
YIQ	198.3830, -25.4030, 14.3490

Conversions

Conversions Part 2

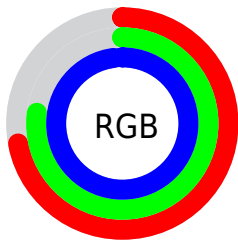
Format	Color
R_{YB}	183, 194, 251
Decimal	12043515
CIE _{Lab}	80.00, 7.48, -28.53
CIE _{LCh}	80, 29.489, 284.689
Yxy	56.6813, 0.2669, 0.2661
Android (android.graphics.Color)	4290233595 (0xFFB7C4FB)
YUV	198.3830, 25.9402, -13.4909
Hunter-Lab	75.2870, 3.0294, -25.6099

Details

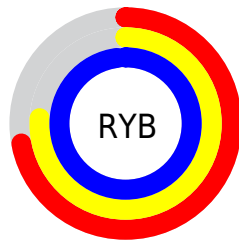
The CIELCh color `80, 29.489, 284.689` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `94, 28.524, 97.774`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `98, 4.572, 212.174`, and `60, 29.550, 285.247` is the 20% darker color. If you saturate the color by 10%, you get `73, 41.043, 286.530`, and if you desaturate by 10%, it is `87, 18.308, 283.117`.

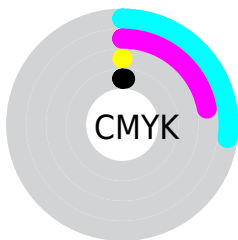
Distribution



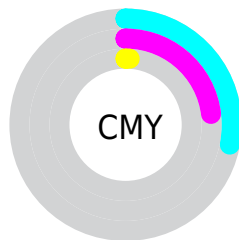
- Red (72%)
- Green (77%)
- Blue (98%)



- Red (72%)
- Yellow (76%)
- Blue (98%)



- Cyan (27%)
- Magenta (22%)
- Yellow (0%)
- Black (1%)



- Cyan (28%)
- Magenta (23%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 29.489, 284.689 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 80, 29.489, 284.689 by changing the saturation by 10% instead.

■ 80, 29.489,
284.689

■ 80, 29.489,
284.689

■ 100, 29.489,
284.689

■ 70, 29.489,
284.689

■ 60, 29.489,
284.689

■ 50, 29.489,
284.689

■ 40, 29.489,
284.689

■ 30, 29.489,
284.689

■ 20, 29.489,
284.689

■ 10, 29.489,

284.689

0, 29.489, 284.689

80, 29.489,
284.689

80, 29.489,
284.689

73, 41.043,
286.530

87, 18.308,
283.117

66, 53.011,
288.677

94, 7.473, 281.786

60, 65.418,
291.145

100, 1.877,
109.997

53, 78.241,
293.908

47, 91.305,
296.870

■ 42, 104.113,
299.837

■ 37, 115.680,
302.523

■ 36, 118.670,
303.187

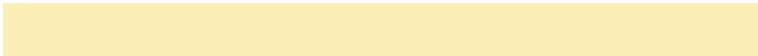
Harmonies

Complementary

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



80, 29.489, 284.689



94, 28.524, 97.774

Rectangle

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



80, 29.489, 284.689



80, 29.489, 334.689



80, 29.489, 104.689



80, 29.489, 154.689

Sweetspot

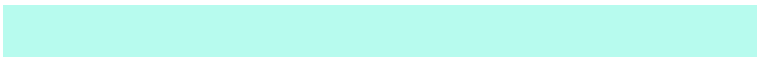
The Sweet Spot groups the original color and five complimentary colors.



80, 29.487, 284.688



94, 8.574, 281.901



94, 23.830, 180.736



49, 6.106, 282.090



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80, 29.487, 284.688



78, 35.564, 285.566



78, 37.202, 303.629



48, 6.005, 282.087



27, 94.332, 302.761



5, 36.318, 297.091

Inverse Universe

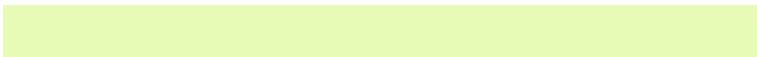
The Inverse Universe completely reimagines the original color for something new.



81, 26.626, 6.884



79, 32.205, 7.612



96, 35.239, 120.217



49, 5.323, 4.757



39, 74.599, 30.200



9, 31.035, 18.198

Previews

White Background



This preview shows how the CIE LCh color 80, 29.489, 284.689 looks on a white background.

Color Contrast Check

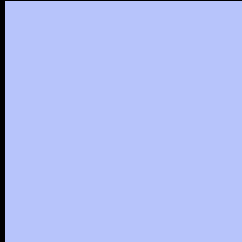
Large Text (above 18pt) WCAG AA × Fail

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 80, 29.489, 284.689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

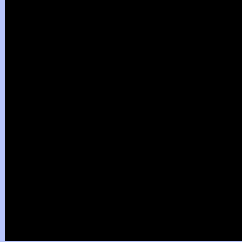
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 29.489, 284.689

Background



This preview shows how black text looks on a background with the CIELCh color 80, 29.489, 284.689.



This preview shows how white text looks on a background with the CIELCh color 80, 29.489, 284.689.

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

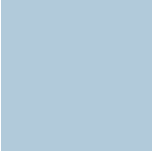
80, 29.489, 284.689

Protanopia

80, 29.456, 285.290

Deuteranopia

80, 30.946, 289.927



Tritanopia
80, 11.885, 245.001

Trichromacy



Original Color
80, 29.489, 284.689

Protanomaly
80, 29.456, 285.290

Deuteranomaly
80, 30.433, 288.028

Tritanomaly
80, 17.246, 267.661

Monochromacy



Original Color
80, 29.489, 284.689

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 10.765, 281.812

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 29.489, 284.689 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(183, 196, 251)` looks like.

```
.text, #text, p{  
    color:rgb(183, 196, 251)  
}
```

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(183, 196, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 196, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 29.489, 284.689 is called "border". The border property can be set on classes, ids or directly on the HTML element.

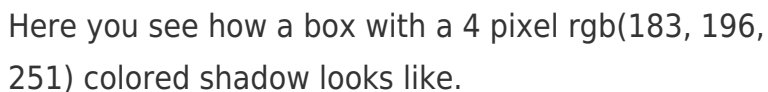
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 196, 251) }
```

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

```
.border{ border-color:rgb(183, 196, 251) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 196, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 196, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 196, 251);  
box-shadow:4px 4px 4px 4px rgb(183, 196,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 29.489, 284.689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 196, 251) }
```

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

```
.background{ background-color: rgb(183,  
196, 251) }
```

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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