

Converting Colors

CIELCh(80, 29.571, 288.925)

Have a look what the booklet for
CIELCh(80, 29.571, 288.925)
contains.

CIELCh(80, 29.342, 288.976)	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(80, 29.342, 288.976)

Conversions

Conversions Part 1

Format	Color
Hex	BDC3FA
RGB	189, 195, 250
RGB Percent	74%, 76%, 98%
CMY	0.2592, 0.2357, 0.0201
CMYK	0.24, 0.22, 0.00, 0.02
HSL	234°, 86%, 86%
HSV	234°, 24%, 98%
XYZ	57.6871, 56.6813, 98.2488
YIQ	199.4760, -21.2310, 15.8330

Conversions

Conversions Part 2

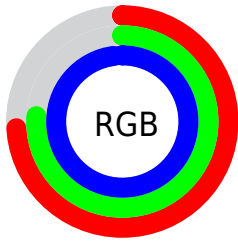
Format	Color
R _Y B	189, 194, 250
Decimal	12436474
CIE Lab	80.00, 9.54, -27.75
CIE LCh	80, 29.342, 288.976
Yxy	56.6813, 0.2713, 0.2666
Android (android.graphics.Color)	4290626554 (0xFFBDC3FA)
YUV	199.4760, 24.9083, -9.1875
Hunter-Lab	75.2870, 5.0198, -24.6720

Details

The CIELCh color `80, 29.342, 288.976` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `95, 28.039, 103.276`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `98, 2.659, 249.767`, and `60, 29.409, 289.571` is the 20% darker color. If you saturate the color by 10%, you get `73, 42.166, 290.635`, and if you desaturate by 10%, it is `87, 17.004, 287.564`.

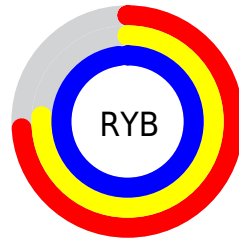
Distribution



Red (74%)

Green (76%)

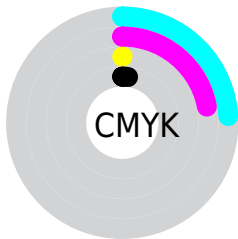
Blue (98%)



Red (74%)

Yellow (76%)

Blue (98%)

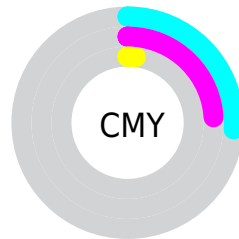


Cyan (24%)

Magenta (22%)

Yellow (0%)

Black (2%)



Cyan (26%)


Magenta (24%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 29.342, 288.976 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, 29.342, 288.976 by changing the saturation by 10% instead.


 80, 29.342,
288.976


 80, 29.342,
288.976


 100, 29.342,
288.976


 70, 29.342,
288.976

 60, 29.342,
288.976

 50, 29.342,
288.976

 40, 29.342,
288.976

 30, 29.342,
288.976

 20, 29.342,
288.976

 10, 29.342,

288.976

0, 29.342, 288.976

80, 29.342,
288.976

80, 29.342,
288.976

73, 42.166,
290.635

87, 17.004,
287.564

65, 55.515,
292.571

95, 5.118, 286.377

58, 69.389,
294.793

100, 2.582,
109.955

51, 83.685,
297.263

44, 98.024,
299.861

■ 39, 111.503,
302.357

■ 35, 122.535,
304.430

■ 33, 126.998,
305.264

Harmonies

Complementary

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



80, 29.342, 288.976



95, 28.039, 103.276

Rectangle

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



80, 29.342, 288.976



80, 29.342, 338.976



80, 29.342, 108.976



80, 29.342, 158.976

Sweetspot

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



80, 29.340, 288.975



95, 8.292, 286.663



94, 20.521, 189.267



50, 5.393, 286.732



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, 29.340, 288.975



78, 35.750, 289.709



80, 33.660, 306.856



48, 6.651, 286.952



24, 101.906, 305.007



4, 39.114, 299.115

Inverse Universe

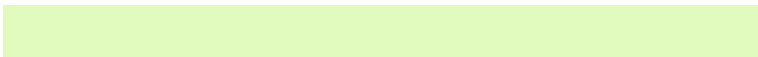
The Inverse Universe completely reimagines the original color for something new.



82, 23.439, 13.650



81, 28.709, 14.262



95, 32.290, 124.261



49, 5.201, 12.006



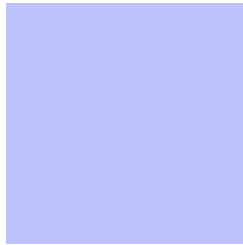
39, 79.216, 35.992



9, 31.528, 22.150

Previews

White Background



This preview shows how the CIELCh color 80, 29.342, 288.976 looks on a white background.

Color Contrast Check

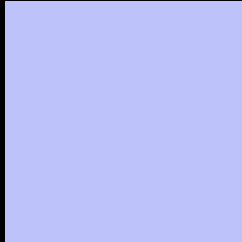
Large Text (above 18pt) WCAG AA × Fail

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, 29.342, 288.976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

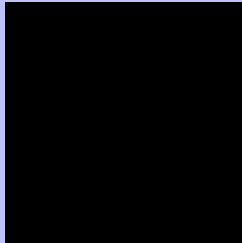
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 29.342, 288.976

Background



This preview shows how black text looks on a background with the CIELCh color 80, 29.342, 288.976.



This preview shows how white text looks on a background with the CIELCh color 80, 29.342, 288.976.

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, 29.342, 288.976

Protanopia

80, 29.425, 285.895

Deuteranopia

80, 29.871, 290.941



Tritanopia
80, 10.608, 252.809

Trichromacy



Original Color
80, 29.342, 288.976

Protanomaly
80, 29.397, 286.503

Deuteranomaly
80, 29.877, 290.328

Tritanomaly
80, 16.538, 275.035

Monochromacy



Original Color
80, 29.342, 288.976

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 10.688, 285.500

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 29.342, 288.976 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(189, 195, 250)` looks like.

```
.text, #text, p{  
    color:rgb(189, 195, 250)  
}
```

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(189, 195, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 195, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 29.342, 288.976 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(189, 195, 250) }
```

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

```
.border{ border-color:rgb(189, 195, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 195, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 195, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 195, 250);  
box-shadow:4px 4px 4px 4px rgb(189, 195,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 29.342, 288.976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 195, 250) }
```

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

```
.background{ background-color: rgb(189,  
195, 250) }
```

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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