

Converting Colors

CIELCh(80, 30.390, 279.623)

Have a look what the booklet for
CIELCh(80, 30.390, 279.623)
contains.

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Color

CIELCh(80, 30.375, 279.700)

Conversions

Conversions Part 1

Format	Color
Hex	B0C6FE
RGB	176, 198, 254
RGB Percent	69%, 78%, 100%
CMY	0.3104, 0.2241, 0.0045
CMYK	0.31, 0.22, 0.00, 0.00
HSL	223°, 97%, 84%
HSV	223°, 31%, 100%
XYZ	55.8977, 56.6813, 101.6320
YIQ	197.8060, -31.0880, 12.7520

Conversions

Conversions Part 2

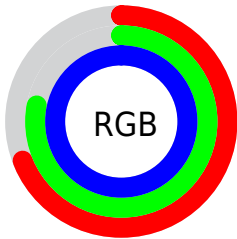
Format	Color
RYB	176, 193, 254
Decimal	11585278
CIELab	80.00, 5.12, -29.94
CIELCh	80, 30.375, 279.700
Yxy	56.6813, 0.2609, 0.2646
Android (android.graphics.Color)	4289775358 (0xFFB0C6FE)
YUV	197.8060, 27.7036, -19.1239
Hunter-Lab	75.2870, 0.7771, -27.3363

Details

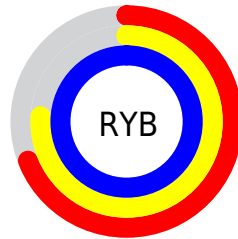
The CIELCh color `80, 30.375, 279.700` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `92, 30.014, 91.124`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `98, 7.521, 199.018`, and `60, 30.498, 279.756` is the 20% darker color. If you saturate the color by 10%, you get `74, 40.739, 281.777`, and if you desaturate by 10%, it is `86, 20.259, 277.925`.

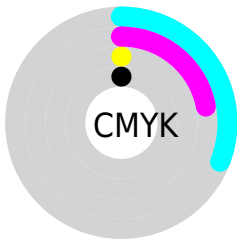
Distribution



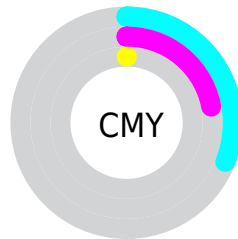
- Red (69%)
- Green (78%)
- Blue (100%)



- Red (69%)
- Yellow (76%)
- Blue (100%)



- Cyan (31%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 30.375, 279.700 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, 30.375, 279.700 by changing the saturation by 10% instead.

■ 80, 30.375,
279.700

■ 80, 30.375,
279.700

■ 100, 30.375,
279.700

■ 70, 30.375,
279.700

■ 60, 30.375,
279.700

■ 50, 30.375,
279.700

■ 40, 30.375,
279.700

■ 30, 30.375,
279.700

■ 20, 30.375,
279.700

■ 10, 30.375,

279.700

■ 0, 30.375, 279.700

■ 80, 30.375,
279.700

■ 80, 30.375,
279.700

■ 74, 40.739,
281.777

■ 86, 20.259,
277.925

■ 67, 51.388,
284.196

■ 93, 10.373,
276.418

■ 61, 62.360,
286.976

■ 99, 0.702, 275.444

■ 55, 73.675,
290.092

100, 0.573,
110.000

■ 50, 85.281,
293.453

■ 45, 96.934,
296.876

■ 41, 107.332,
299.843

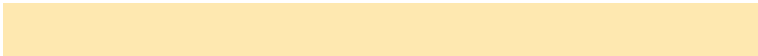
Harmonies

Complementary

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



80, 30.375, 279.700



92, 30.014, 91.124

Rectangle

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



80, 30.375, 279.700



80, 30.375, 329.700



80, 30.375, 99.700



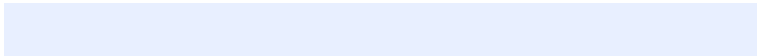
80, 30.375, 149.700

Sweetspot

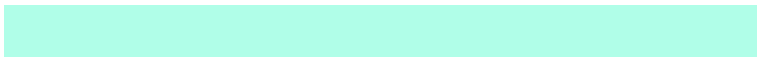
The Sweet Spot groups the original color and five complimentary colors.



80, 30.374, 279.699



94, 8.724, 276.184



94, 28.548, 174.064



49, 6.070, 276.381



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, 30.374, 279.699



76, 36.985, 280.967



76, 42.563, 301.145



50, 5.514, 276.252



30, 85.284, 299.290



7, 34.214, 294.471

Inverse Universe

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



80, 31.470, 0.699



76, 38.337, 1.673



97, 39.735, 116.569



50, 5.617, 358.068



40, 71.327, 22.862



10, 31.539, 13.968

Previews

White Background



This preview shows how the CIELCh color 80, 30.375, 279.700 looks on a white background.

Color Contrast Check

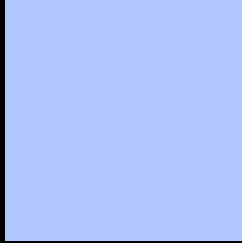
Large Text (above 18pt) WCAG AA × Fail

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, 30.375, 279.700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

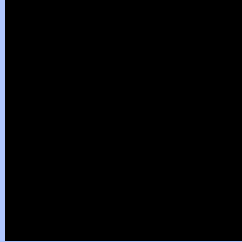
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 30.375, 279.700

Background



This preview shows how black text looks on a background with the CIELCh color 80, 30.375, 279.700.



This preview shows how white text looks on a background with the CIELCh color 80, 30.375, 279.700.

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, 30.375, 279.700

Protanopia

80, 29.980, 285.484

Deuteranopia

80, 32.559, 289.123



Tritanopia
80, 14.292, 235.529

Trichromacy



Original Color
80, 30.375, 279.700

Protanomaly
80, 30.101, 283.126

Deuteranomaly
80, 32.109, 286.224

Tritanomaly
80, 18.625, 258.525

Monochromacy



Original Color
80, 30.375, 279.700

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 10.959, 276.445

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 30.375, 279.700 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(176, 198, 254)` looks like.

```
.text, #text, p{  
    color:rgb(176, 198, 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(176, 198, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 198, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 30.375, 279.700 is called "border". The border property can be set on classes, ids or directly on the HTML element.

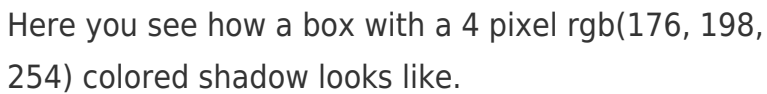
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 198, 254) }
```

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

```
.border{ border-color:rgb(176, 198, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 198, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 198, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 198, 254); box-shadow:4px 4px 4px 4px rgb(176, 198, 254) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 30.375, 279.700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 198, 254) }
```

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

```
.background{ background-color: rgb(176,  
198, 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](#).

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