

Converting Colors

CIELCh(80, 21.808, 284.028)

Have a look what the booklet for
CIELCh(80, 21.808, 284.028)
contains.

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Color

CIELCh(80, 21.978, 284.320)

Conversions

Conversions Part 1

Format	Color
Hex	BCC5EE
RGB	188, 197, 238
RGB Percent	74%, 77%, 93%
CMY	0.2634, 0.2281, 0.0674
CMYK	0.21, 0.17, 0.00, 0.07
HSL	229°, 59%, 83%
HSV	229°, 21%, 93%
XYZ	56.0251, 56.6813, 88.7334
YIQ	198.9830, -18.5250, 10.8430

Conversions

Conversions Part 2

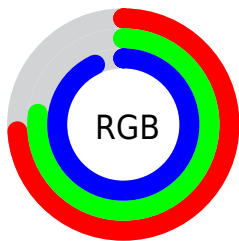
Format	Color
R _Y B	188, 196, 238
Decimal	12371438
CIE Lab	80.00, 5.44, -21.30
CIE LCh	80, 21.978, 284.320
Yxy	56.6813, 0.2781, 0.2814
Android (android.graphics.Color)	4290561518 (0xFFBCC5EE)
YUV	198.9830, 19.2354, -9.6321
Hunter-Lab	75.2870, 1.0793, -17.1784

Details

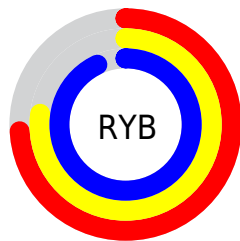
The CIELCh color `80, 21.978, 284.320` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `91, 21.397, 99.170`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 3.146, 208.740`, and `60, 22.163, 284.686` is the 20% darker color. If you saturate the color by 10%, you get `73, 32.958, 285.972`, and if you desaturate by 10%, it is `87, 11.349, 282.910`.

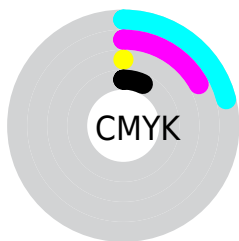
Distribution



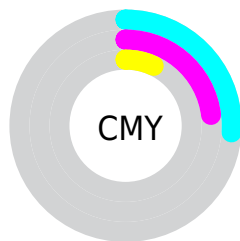
- Red (74%)
- Green (77%)
- Blue (93%)



- Red (74%)
- Yellow (77%)
- Blue (93%)



- Cyan (21%)
- Magenta (17%)
- Yellow (0%)
- Black (7%)



- Cyan (26%)
- Magenta (23%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 21.978, 284.320 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, 21.978, 284.320 by changing the saturation by 10% instead.

■ 80, 21.978,
284.320

■ 80, 21.978,
284.320

■ 100, 21.978,
284.320

■ 70, 21.978,
284.320

■ 60, 21.978,
284.320

■ 50, 21.978,
284.320

■ 40, 21.978,
284.320

■ 30, 21.978,
284.320

■ 20, 21.978,
284.320

■ 10, 21.978,

284.320

0, 21.978, 284.320

80, 21.978,
284.320

80, 21.978,
284.320

73, 32.958,
285.972

87, 11.349,
282.910

67, 44.326,
287.908

93, 1.046, 281.845

60, 56.114,
290.153

100, 8.699,
109.517

54, 68.332,
292.707

48, 80.902,
295.521

■ 42, 93.529,
298.457

■ 37, 105.513,
301.279

■ 34, 114.786,
303.435

Harmonies

Complementary

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



80, 21.978, 284.320



91, 21.397, 99.170

Rectangle

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



80, 21.978, 284.320



80, 21.978, 334.320



80, 21.978, 104.320



80, 21.978, 154.320

Sweetspot

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



80, 21.976, 284.318



96, 6.493, 282.295



90, 17.776, 182.662



51, 4.310, 282.372



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, 21.976, 284.318



82, 27.835, 284.960



79, 27.393, 303.744



47, 5.875, 282.714



25, 93.325, 303.049



5, 33.113, 295.276

Inverse Universe

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



81, 19.437, 6.915



83, 24.712, 7.440



92, 26.316, 121.237



47, 5.125, 5.596



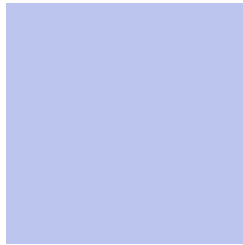
38, 73.554, 30.883



8, 29.062, 16.429

Previews

White Background



This preview shows how the CIELCh color 80, 21.978, 284.320 looks on a white background.

Color Contrast Check

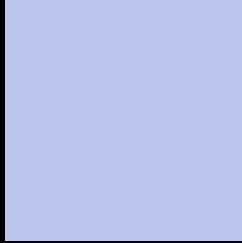
Large Text (above 18pt) WCAG AA × Fail

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, 21.978, 284.320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

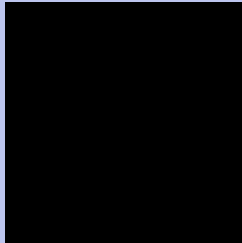
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 21.978, 284.320

Background



This preview shows how black text looks on a background with the CIELCh color 80, 21.978, 284.320.



This preview shows how white text looks on a background with the CIELCh color 80, 21.978, 284.320.

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

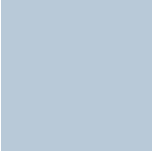
80, 21.978, 284.320

Protanopia

80, 22.462, 286.235

Deuteranopia

80, 23.528, 294.690



Tritanopia
80, 9.801, 253.962

Trichromacy



Original Color
80, 21.978, 284.320

Protanomaly
80, 22.462, 286.235

Deuteranomaly
80, 22.936, 291.369

Tritanomaly
80, 14.030, 271.498

Monochromacy



Original Color
80, 21.978, 284.320

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 8.046, 283.328

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 21.978, 284.320 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(188, 197, 238)` looks like.

```
.text, #text, p{  
    color:rgb(188, 197, 238)  
}
```

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(188, 197, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 197, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 21.978, 284.320 is called "border". The border property can be set on classes, ids or directly on the HTML element.

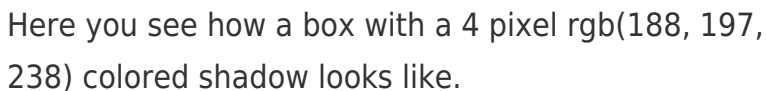
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 197, 238) }
```

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

```
.border{ border-color:rgb(188, 197, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 197, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 197, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 197, 238); box-shadow:4px 4px 4px 4px rgb(188, 197, 238) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 21.978, 284.320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 197, 238) }
```

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

```
.background{ background-color: rgb(188,  
197, 238) }
```

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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