

Converting Colors

CIELCh(80, 21.424, 309.833)

Have a look what the booklet for
CIELCh(80, 21.424, 309.833)
contains.

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Color

CIELCh(80, 21.424, 309.833)

Conversions

Conversions Part 1

Format	Color
Hex	D2BFE5
RGB	210, 191, 229
RGB Percent	82%, 75%, 90%
CMY	0.1761, 0.2506, 0.1016
CMYK	0.08, 0.17, 0.00, 0.10
HSL	270°, 42%, 82%
HSV	270°, 17%, 90%
XYZ	59.4137, 56.6813, 82.0092
YIQ	201.0130, -0.8740, 15.8460

Conversions

Conversions Part 2

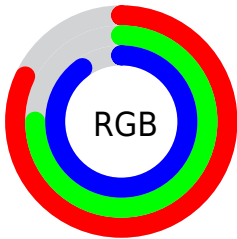
Format	Color
R _{YB}	210, 191, 229
Decimal	13811685
CIE Lab	80.00, 13.72, -16.45
CIE LCh	80, 21.424, 309.833
Yxy	56.6813, 0.2999, 0.2861
Android (android.graphics.Color)	4292001765 (0xFFD2BFE5)
YUV	201.0130, 13.7976, 7.8816
Hunter-Lab	75.2870, 9.1133, -11.8830

Details

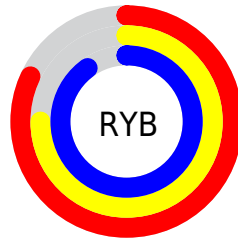
The CIELCh color $80, 21.424, 309.833$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $89, 20.941, 128.321$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $98, 4.981, 324.553$, and $60, 20.834, 309.514$ is the 20% darker color. If you saturate the color by 10%, you get $73, 34.792, 310.351$, and if you desaturate by 10%, it is $87, 8.389, 309.344$.

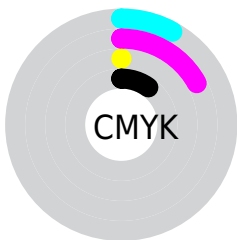
Distribution



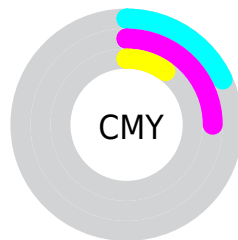
- Red (82%)
- Green (75%)
- Blue (90%)



- Red (82%)
- Yellow (75%)
- Blue (90%)



- Cyan (8%)
- Magenta (17%)
- Yellow (0%)
- Black (10%)





- Cyan (18%)
- Magenta (25%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 21.424, 309.833 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, 21.424, 309.833 by changing the saturation by 10% instead.


 80, 21.424,
309.833


 80, 21.424,
309.833


 100, 21.424,
309.833


 70, 21.424,
309.833

 60, 21.424,
309.833

 50, 21.424,
309.833

 40, 21.424,
309.833

 30, 21.424,
309.833

 20, 21.424,
309.833

 10, 21.424,

309.833

0, 21.424, 309.833

80, 21.424,
309.833

80, 21.424,
309.833

73, 34.792,
310.351

87, 8.389, 309.344

67, 48.409,
310.894

93, 4.265, 128.956

61, 62.097,
311.439

99, 13.698,
125.254

55, 75.547,
311.945

99, 13.108,
109.187

49, 88.253,
312.348

■ 44, 99.465,
312.560

■ 40, 108.248,
312.464

■ 37, 113.801,
311.956

■ 37, 115.249,
311.740

Harmonies

Complementary

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



80, 21.424, 309.833



89, 20.941, 128.321

Rectangle

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



80, 21.424, 309.833



80, 21.424, 359.833



80, 21.424, 129.833



80, 21.424, 179.833

Sweetspot

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



80, 21.422, 309.832



96, 6.933, 309.268



84, 11.626, 255.903



51, 4.734, 309.303



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, 21.422, 309.832



86, 28.311, 310.012



82, 24.178, 324.881



45, 7.273, 309.482



28, 95.456, 311.925



4, 35.626, 311.034

Inverse Universe

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



81, 17.206, 345.067



87, 22.705, 345.413



87, 24.144, 142.992



45, 5.853, 344.397



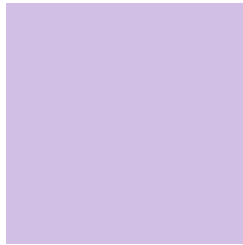
38, 64.859, 1.880



7, 27.612, 354.930

Previews

White Background



This preview shows how the CIELCh color 80, 21.424, 309.833 looks on a white background.

Color Contrast Check

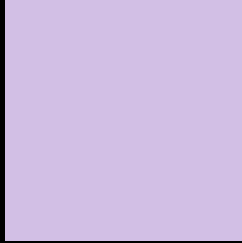
Large Text (above 18pt) WCAG AA × Fail

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, 21.424, 309.833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

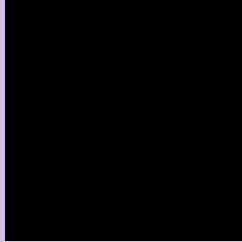
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 21.424, 309.833

Background



This preview shows how black text looks on a background with the CIELCh color 80, 21.424, 309.833.



This preview shows how white text looks on a background with the CIELCh color 80, 21.424, 309.833.

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, 21.424, 309.833

Protanopia

80, 19.246, 285.861

Deuteranopia

80, 19.590, 301.981



Tritanopia
80, 9.787, 319.500

Trichromacy



Original Color
80, 21.424, 309.833

Protanomaly
80, 19.787, 294.873

Deuteranomaly
80, 20.420, 305.591

Tritanomaly
80, 13.939, 313.763

Monochromacy



Original Color
80, 21.424, 309.833

Achromatopsia
81, 0.010, 296.813

Achromatomaly
80, 7.905, 309.346

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 21.424, 309.833 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(210, 191, 229)` looks like.

```
.text, #text, p{  
    color:rgb(210, 191, 229)  
}
```

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(210, 191, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 191, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 21.424, 309.833 is called "border". The border property can be set on classes, ids or directly on the HTML element.

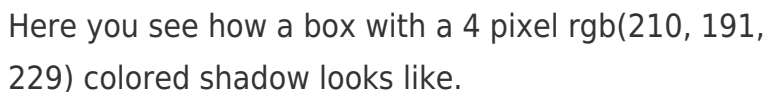
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(210, 191, 229) }
```

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

```
.border{ border-color:rgb(210, 191, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(210, 191, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(210, 191, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(210, 191, 229); box-shadow:4px 4px 4px 4px rgb(210, 191, 229) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 21.424, 309.833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 191, 229) }
```

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

```
.background{ background-color: rgb(210,  
191, 229) }
```

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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