

Converting Colors

CIELCh(81, 31.888, 321.609)

Have a look what the booklet for
CIELCh(81, 31.888, 321.609)
contains.

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Color

CIELCh(81, 31.829, 321.753)

Conversions

Conversions Part 1

Format	Color
Hex	E7BAEE
RGB	231, 186, 238
RGB Percent	91%, 73%, 93%
CMY	0.0929, 0.2694, 0.0655
CMYK	0.03, 0.22, 0.00, 0.07
HSL	292°, 61%, 83%
HSV	292°, 22%, 93%
XYZ	66.1507, 58.4711, 88.9228
YIQ	205.3830, 10.1280, 25.7120

Conversions

Conversions Part 2

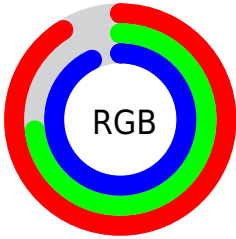
Format	Color
R _Y B	231, 186, 238
Decimal	15186670
CIE Lab	81.00, 25.00, -19.70
CIE LCh	81, 31.829, 321.753
Yxy	58.4711, 0.3098, 0.2738
Android (android.graphics.Color)	4293376750 (0xFFE7BAEE)
YUV	205.3830, 16.0802, 22.4661
Hunter-Lab	76.4664, 20.6033, -15.4219

Details

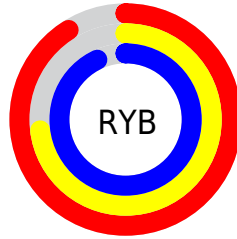
The CIELCh color **81, 31.829, 321.753** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **90, 31.614, 139.543**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 8.100, 324.685**, and **61, 31.511, 321.724** is the 20% darker color. If you saturate the color by 10%, you get **75, 46.465, 322.217**, and if you desaturate by 10%, it is **87, 17.147, 321.272**.

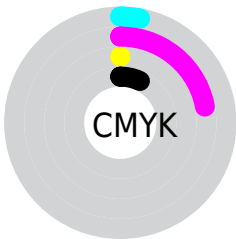
Distribution



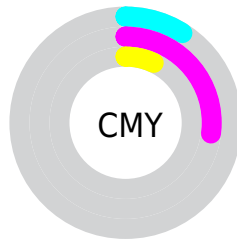
- Red (91%)
- Green (73%)
- Blue (93%)



- Red (91%)
- Yellow (73%)
- Blue (93%)



- Cyan (3%)
- Magenta (22%)
- Yellow (0%)
- Black (7%)





- Cyan (9%)
- Magenta (27%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 31.829, 321.753 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 81, 31.829, 321.753 by changing the saturation by 10% instead.


 81, 31.829,
321.753


 81, 31.829,
321.753


 100, 31.829,
321.753


 71, 31.829,
321.753


 61, 31.829,
321.753

 51, 31.829,
321.753

 41, 31.829,
321.753

 31, 31.829,
321.753

 21, 31.829,
321.753

 11, 31.829,

321.753

■ 1, 31.829, 321.753

■ 0, 31.829, 321.753

■ 81, 31.829,
321.753

■ 81, 31.829,
321.753

■ 75, 46.465,
322.217

■ 87, 17.147,
321.272

■ 70, 60.757,
322.648

■ 93, 2.630, 320.718

■ 99, 9.882, 139.793

■ 65, 74.272,
323.019

■ 99, 9.344, 133.903

■ 60, 86.451,
323.300

■ 99, 8.917, 127.326

■ 57, 96.657,

■ 99, 8.620, 120.149

323.455

100, 8.468,
112.545

54, 104.291,
323.451

100, 8.451,
109.536

52, 108.994,
323.261

51, 110.962,
322.983

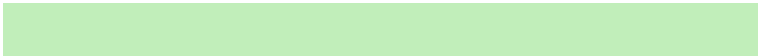
Harmonies

Complementary

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



81, 31.829, 321.753



90, 31.614, 139.543

Rectangle

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



81, 31.829, 321.753



81, 31.829, 11.753



81, 31.829, 141.753



81, 31.829, 191.753

Sweetspot

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



81, 31.826, 321.753



95, 10.685, 321.035



79, 23.691, 286.052



50, 6.946, 321.065



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 31.826, 321.753



83, 40.102, 321.954



81, 25.943, 338.013



47, 8.264, 321.157



39, 91.235, 323.065



8, 39.747, 323.760

Inverse Universe

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



80, 20.081, 10.510



83, 25.580, 11.059



90, 25.631, 154.646



47, 5.062, 9.133



38, 75.802, 33.886



8, 29.214, 18.325

Previews

White Background



This preview shows how the CIELCh color 81, 31.829, 321.753 looks on a white background.

Color Contrast Check

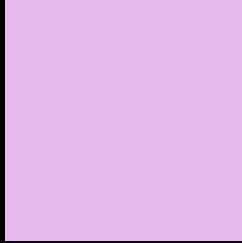
Large Text (above 18pt) WCAG AA × Fail

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 81, 31.829, 321.753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

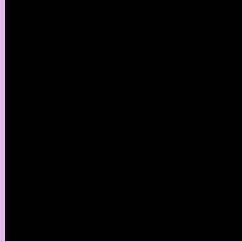
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 31.829, 321.753

Background



This preview shows how black text looks on a background with the CIELCh color 81, 31.829, 321.753.

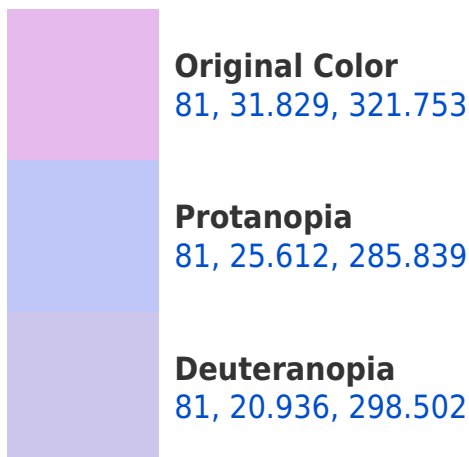


This preview shows how white text looks on a background with the CIELCh color 81, 31.829, 321.753.

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





Tritanopia
81, 15.162, 349.083

Trichromacy



Original Color
81, 31.829, 321.753

Protanomaly
81, 26.968, 300.302

Deuteranomaly
81, 24.614, 309.160

Tritanomaly
81, 20.508, 334.723

Monochromacy



Original Color
81, 31.829, 321.753

Achromatopsia
83, 0.010, 296.813

Achromatomaly
82, 11.650, 320.433

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 31.829, 321.753 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(231, 186, 238)` looks like.

```
.text, #text, p{  
    color:rgb(231, 186, 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(231, 186, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 186, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 31.829, 321.753 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(231, 186, 238) }
```

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

```
.border{ border-color:rgb(231, 186, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 186, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 186, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 186, 238);  
box-shadow:4px 4px 4px 4px rgb(231, 186,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 31.829, 321.753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 186, 238) }
```

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

```
.background{ background-color: rgb(231,  
186, 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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