

# Converting Colors

CIELCh(81, 16.581, 316.706)

Have a look what the booklet for  
CIELCh(81, 16.581, 316.706)  
contains.

<b>CIELCh(81, 16.581, 316.706)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(81, 16.581, 316.706)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6C2DE
RGB	214, 194, 222
RGB Percent	84%, 76%, 87%
CMY	0.1588, 0.2373, 0.1275
CMYK	0.04, 0.13, 0.00, 0.13
HSL	283°, 30%, 82%
HSV	283°, 13%, 87%
XYZ	60.5277, 58.4711, 77.5532
YIQ	203.1720, 2.9320, 12.9480

# Conversions

## Conversions Part 2

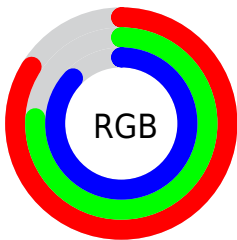
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">214, 194, 222</a>
Decimal	<a href="#">14074590</a>
CIELab	<a href="#">81.00, 12.07, -11.37</a>
CIELCh	<a href="#">81, 16.581, 316.706</a>
Yxy	<a href="#">58.4711, 0.3079, 0.2975</a>
Android (android.graphics.Color)	<a href="#">4292264670 (0xFFD6C2DE)</a>
YUV	<a href="#">203.1720, 9.2822, 9.4962</a>
Hunter-Lab	<a href="#">76.4664, 7.4772, -6.6062</a>

# Details

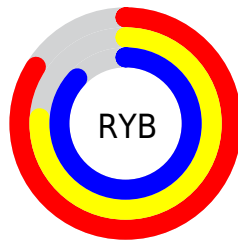
The CIELCh color **81, 16.581, 316.706** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87, 16.422, 135.640**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 2.492, 324.405**, and **61, 16.868, 316.514** is the 20% darker color. If you saturate the color by 10%, you get **75, 30.011, 317.148**, and if you desaturate by 10%, it is **87, 3.378, 316.233**.

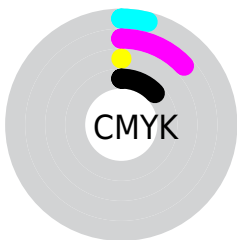
# Distribution



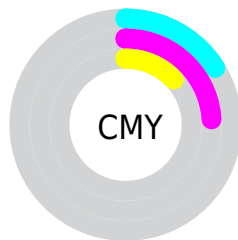
- Red (84%)
- Green (76%)
- Blue (87%)



- Red (84%)
- Yellow (76%)
- Blue (87%)



- Cyan (4%)
- Magenta (13%)
- Yellow (0%)
- Black (13%)




- Cyan (16%)
- Magenta (24%)
- Yellow (13%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 16.581, 316.706 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, 16.581, 316.706 by changing the saturation by 10% instead.





 81, 16.581,  
316.706


 81, 16.581,  
316.706


 100, 16.581,  
316.706


 71, 16.581,  
316.706


 61, 16.581,  
316.706

 51, 16.581,  
316.706

 41, 16.581,  
316.706

 31, 16.581,  
316.706

 21, 16.581,  
316.706

 11, 16.581,

316.706

■ 1, 16.581, 316.706

■ 0, 16.581, 316.706

■ 81, 16.581,  
316.706

■ 81, 16.581,  
316.706

■ 75, 30.011,  
317.148

■ 87, 3.378, 316.233

■ 69, 43.537,  
317.585

■ 93, 9.512, 135.911

■ 64, 56.935,  
317.996

■ 98, 18.284,  
133.893

■ 58, 69.859,  
318.349

■ 98, 17.402,  
127.211

■ 54, 81.819,

■ 99, 16.783,  
119.832

318.602

99, 16.471,  
111.942

49, 92.184,  
318.697

99, 16.440,  
108.935

46, 100.262,  
318.571

44, 105.510,  
318.166

42, 107.813,  
317.709

# Harmonies

# Complementary

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



81, 16.581, 316.706



87, 16.422, 135.640

# Rectangle

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



81, 16.581, 316.706



81, 16.581, 6.706



81, 16.581, 136.706



81, 16.581, 186.706

# Sweetspot

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



81, 16.579, 316.705



97, 5.835, 316.315



82, 10.743, 275.378



51, 4.150, 316.352



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, 16.579, 316.705



90, 22.119, 316.817



82, 15.655, 331.295



44, 7.506, 316.566



33, 90.402, 317.852



5, 34.937, 318.314



# Inverse Universe

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



81, 11.225, 358.143



90, 15.017, 358.425



86, 15.604, 149.709



44, 5.065, 357.801



37, 66.770, 22.168

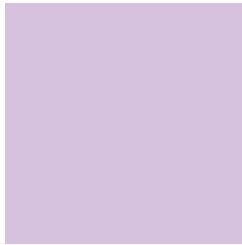


6, 25.335, 8.454



# Previews

## White Background



This preview shows how the CIELCh color 81, 16.581, 316.706 looks on a white background.

## Color Contrast Check

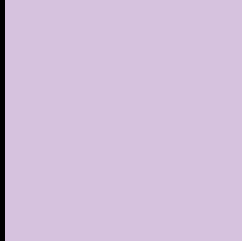
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 81, 16.581, 316.706 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

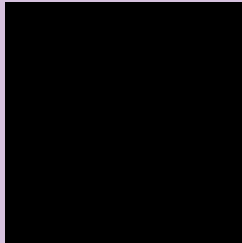
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 81, 16.581, 316.706

## Background



This preview shows how black text looks on a background with the CIELCh color 81, 16.581, 316.706.



This preview shows how white text looks on a background with the CIELCh color 81, 16.581, 316.706.

# 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

81, 16.581, 316.706


### Protanopia

81, 13.841, 287.114

### Deuteranopia

81, 14.883, 312.200





**Tritanopia**  
81, 10.545, 326.481

# Trichromacy



**Original Color**  
81, 16.581, 316.706

**Protanomaly**  
81, 14.504, 298.321

**Deuteranomaly**  
81, 15.651, 313.964

**Tritanomaly**  
81, 13.149, 322.303

# Monochromacy



**Original Color**  
81, 16.581, 316.706

**Achromatopsia**  
82, 0.010, 296.813

**Achromatomaly**  
82, 5.910, 315.898

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 81, 16.581, 316.706 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(214, 194, 222)` looks like.

```
.text, #text, p{  
    color:rgb(214, 194, 222)  
}
```

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(214, 194, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 194, 222) }
```

## Border

The CSS property to change the border of an element to CIELCh 81, 16.581, 316.706 is called "border". The border property can be set on classes, ids or directly on the HTML element.

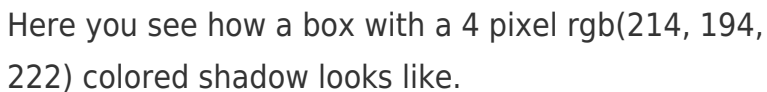
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(214, 194, 222) }
```

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

```
.border{ border-color:rgb(214, 194, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(214, 194, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(214, 194, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(214, 194, 222); box-shadow:4px 4px 4px 4px rgb(214, 194, 222) }
```

# Background

The CSS property to change the background color of an element to CIELCh 81, 16.581, 316.706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 194, 222) }
```

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

```
.background{ background-color: rgb(214,  
194, 222) }
```

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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