

Converting Colors

CIELCh(80, 41.150, 311.330)

Have a look what the booklet for
CIELCh(80, 41.150, 311.330)
contains.

CIELCh(80, 40.671, 311.828)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(80, 40.671, 311.828)

Conversions

Conversions Part 1

Format	Color
Hex	DEB7FF
RGB	222, 183, 255
RGB Percent	87%, 72%, 100%
CMY	0.1290, 0.2819, 0.0000
CMYK	0.13, 0.28, 0.00, 0.00
HSL	273°, 100%, 86%
HSV	273°, 28%, 100%
XYZ	65.1774, 56.6813, 102.2028
YIQ	202.8690, 0.1320, 30.6600

Conversions

Conversions Part 2

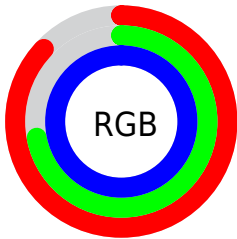
Format	Color
R _Y B	222, 183, 255
Decimal	14596095
CIE Lab	80.00, 27.12, -30.31
CIE LCh	80, 40.671, 311.828
Yxy	56.6813, 0.2909, 0.2530
Android (android.graphics.Color)	4292786175 (0xFFDEB7FF)
YUV	202.8690, 25.7006, 16.7779
Hunter-Lab	75.2870, 22.7788, -27.7859

Details

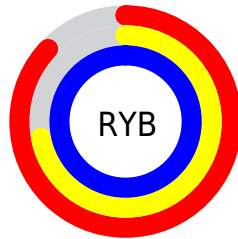
The CIELCh color $80, 40.671, 311.828$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $96, 39.191, 129.241$, and the grayscale version is $82, 0.010, 296.813$.

A 20% lighter version of the original color is $96, 9.976, 324.758$, and $60, 40.434, 311.715$ is the 20% darker color. If you saturate the color by 10%, you get $73, 55.524, 312.362$, and if you desaturate by 10%, it is $87, 25.901, 311.355$.

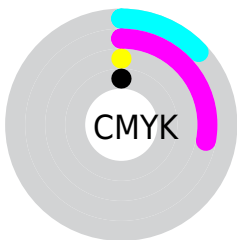
Distribution



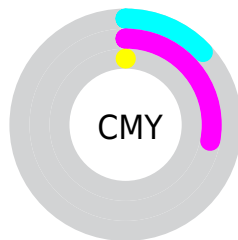
- Red (87%)
- Green (72%)
- Blue (100%)



- Red (87%)
- Yellow (72%)
- Blue (100%)



- Cyan (13%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)




- Cyan (13%)
- Magenta (28%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 40.671, 311.828 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, 40.671, 311.828 by changing the saturation by 10% instead.

 80, 40.671,
311.828

 80, 40.671,
311.828


 100, 40.671,
311.828


 70, 40.671,
311.828

 60, 40.671,
311.828

 50, 40.671,
311.828

 40, 40.671,
311.828

 30, 40.671,
311.828

 20, 40.671,
311.828

 10, 40.671,

311.828

■ 0, 40.671, 311.828

■ 80, 40.671,
311.828

■ 80, 40.671,
311.828

■ 73, 55.524,
312.362

■ 87, 25.901,
311.355

■ 66, 70.390,
312.857

■ 94, 11.512,
310.880

■ 60, 84.813,
313.291

■ 100, 0.012,
296.813

■ 54, 98.174,
313.598

■ 49, 109.609,
313.687

■ 45, 118.142,
313.450

■ 43, 123.169,
312.814

■ 42, 123.889,
312.684

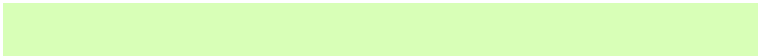
Harmonies

Complementary

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



80, 40.671, 311.828



96, 39.191, 129.241

Rectangle

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



80, 40.671, 311.828



80, 40.671, 1.828



80, 40.671, 131.828



80, 40.671, 181.828

Sweetspot

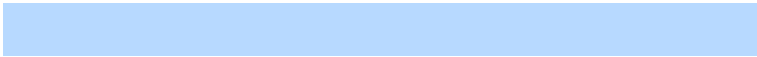
The Sweet Spot groups the original color and five complimentary colors.



80, 40.616, 311.853



94, 11.237, 310.871



85, 22.455, 263.415



49, 8.002, 310.941



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, 40.616, 311.853



76, 49.260, 312.149



83, 44.049, 326.916



49, 8.002, 310.941



31, 99.615, 312.880



6, 44.836, 314.054

Inverse Universe

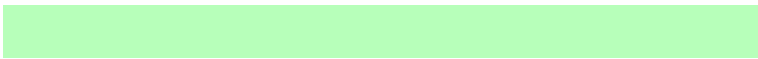
The Inverse Universe completely reimagines the original color for something new.



82, 31.384, 348.757



78, 37.933, 349.465



94, 44.041, 143.359



50, 6.207, 346.791



41, 68.000, 6.206



10, 31.534, 359.963

Previews

White Background



This preview shows how the CIELCh color 80, 40.671, 311.828 looks on a white background.

Color Contrast Check

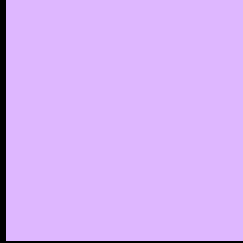
Large Text (above 18pt) WCAG AA × Fail

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, 40.671, 311.828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

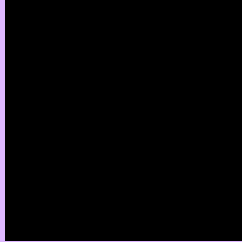
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 40.671, 311.828

Background



This preview shows how black text looks on a background with the CIELCh color 80, 40.671, 311.828.



This preview shows how white text looks on a background with the CIELCh color 80, 40.671, 311.828.

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, 40.671, 311.828

Protanopia
80, 31.585, 285.477

Deuteranopia
80, 30.929, 289.328



Tritanopia
80, 11.371, 335.715

Trichromacy



Original Color
80, 40.671, 311.828



Protanomaly
80, 34.281, 296.373



Deuteranomaly
80, 33.858, 298.575

Tritanomaly
80, 21.217, 319.496

Monochromacy



Original Color
80, 40.671, 311.828



Achromatopsia
82, 0.010, 296.813



Achromatomaly
81, 14.760, 310.904

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 40.671, 311.828 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(222, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 183, 255)  
}
```

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(222, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 183, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 40.671, 311.828 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(222, 183, 255) }
```

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

```
.border{ border-color:rgb(222, 183, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 183,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 40.671, 311.828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 183, 255) }
```

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

```
.background{ background-color: rgb(222,  
183, 255) }
```

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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