

Converting Colors

CIELCh(80, 42.886, 313.932)

Have a look what the booklet for
CIELCh(80, 42.886, 313.932)
contains.

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Color

CIELCh(80, 42.441, 314.477)

Conversions

Conversions Part 1

Format	Color
Hex	E3B5FF
RGB	227, 181, 255
RGB Percent	89%, 71%, 100%
CMY	0.1093, 0.2897, 0.0000
CMYK	0.11, 0.29, 0.00, 0.00
HSL	277°, 100%, 86%
HSV	277°, 29%, 100%
XYZ	66.3426, 56.6813, 102.1668
YIQ	203.1900, 3.6620, 32.7660

Conversions

Conversions Part 2

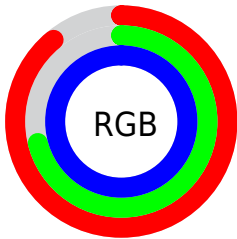
Format	Color
R_{YB}	227, 181, 255
Decimal	14923263
CIE _{Lab}	80.00, 29.74, -30.28
CIE _{LCh}	80, 42.441, 314.477
Y _{xy}	56.6813, 0.2946, 0.2517
Android (android.graphics.Color)	4293113343 (0xFFE3B5FF)
YUV	203.1900, 25.5423, 20.8814
Hunter-Lab	75.2870, 25.5412, -27.7575

Details

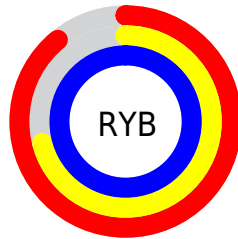
The CIELCh color $80, 42.441, 314.477$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $95, 41.160, 131.901$, and the grayscale version is $82, 0.010, 296.813$.

A 20% lighter version of the original color is $96, 11.228, 324.804$, and $60, 42.221, 314.509$ is the 20% darker color. If you saturate the color by 10%, you get $73, 57.339, 314.968$, and if you desaturate by 10%, it is $87, 27.483, 314.052$.

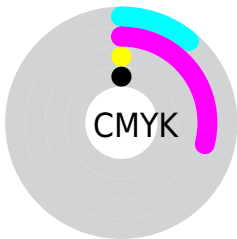
Distribution



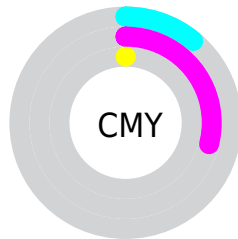
- Red (89%)
- Green (71%)
- Blue (100%)



- Red (89%)
- Yellow (71%)
- Blue (100%)



- Cyan (11%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)




- Cyan (11%)
- Magenta (29%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 42.441, 314.477 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, 42.441, 314.477 by changing the saturation by 10% instead.

 80, 42.441,
314.477


 80, 42.441,
314.477


 100, 42.441,
314.477

 70, 42.441,
314.477

 60, 42.441,
314.477

 50, 42.441,
314.477

 40, 42.441,
314.477


 30, 42.441,
314.477

 20, 42.441,
314.477


 10, 42.441,


314.477

 0, 42.441, 314.477

 80, 42.441,
314.477


 80, 42.441,
314.477

 73, 57.339,
314.968


 87, 27.483,
314.052


 67, 72.093,
315.389

 94, 12.845,
313.600

 61, 86.178,
315.731

100, 0.012,
296.813

 56, 98.937,
315.932

 51, 109.534,
315.912

■ 48, 117.124,
315.584

■ 45, 121.398,
314.909

■ 45, 121.759,
314.833

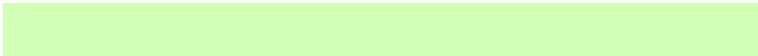
Harmonies

Complementary

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



80, 42.441, 314.477



95, 41.160, 131.901

Rectangle

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



80, 42.441, 314.477



80, 42.441, 4.477



80, 42.441, 134.477



80, 42.441, 184.477

Sweetspot

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



80, 42.372, 314.512



94, 12.892, 313.602



83, 25.363, 271.516



49, 8.974, 313.667



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, 42.372, 314.512



76, 51.407, 314.789



82, 42.751, 329.509



49, 8.149, 313.625



33, 97.937, 315.019



7, 44.566, 316.311

Inverse Universe

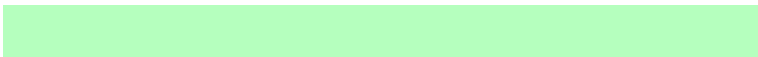
The Inverse Universe completely reimagines the original color for something new.



81, 30.919, 353.903



78, 37.526, 354.731



94, 42.690, 145.665



50, 5.908, 351.668



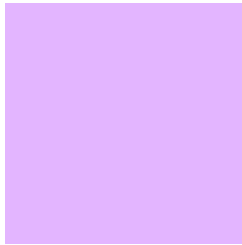
41, 68.667, 14.016



10, 31.282, 6.734

Previews

White Background



This preview shows how the CIELCh color 80, 42.441, 314.477 looks on a white background.

Color Contrast Check

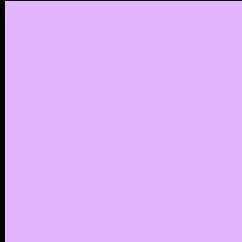
Large Text (above 18pt) WCAG AA × Fail

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, 42.441, 314.477 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, 42.441, 314.477

Background



This preview shows how black text looks on a background with the CIELCh color 80, 42.441, 314.477.

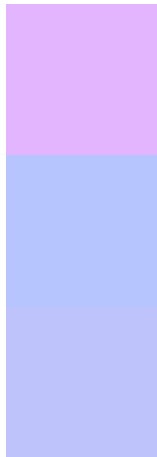


This preview shows how white text looks on a background with the CIELCh color 80, 42.441, 314.477.

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, 42.441, 314.477

Protanopia

80, 31.067, 284.705

Deuteranopia

80, 30.388, 289.810



Tritanopia
80, 13.041, 342.794

Trichromacy



Original Color
80, 42.441, 314.477



Protanomaly
80, 34.328, 297.446



Deuteranomaly
80, 34.041, 300.777



Tritanomaly
80, 23.382, 323.826

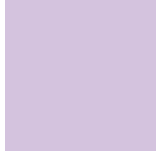
Monochromacy



Original Color
80, 42.441, 314.477



Achromatopsia
82, 0.010, 296.813



Achromatomaly
81, 15.651, 313.964

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 42.441, 314.477 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(227, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 181, 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(227, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 181, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 42.441, 314.477 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(227, 181, 255) }
```

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

```
.border{ border-color:rgb(227, 181, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 181,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 42.441, 314.477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 181, 255) }
```

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

```
.background{ background-color: rgb(227,  
181, 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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