

Converting Colors

CIELCh(80, 43.772, 316.758)

Have a look what the booklet for
CIELCh(80, 43.772, 316.758)
contains.

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Color

CIELCh(80, 44.152, 316.521)

Conversions

Conversions Part 1

Format	Color
Hex	E7B3FF
RGB	231, 179, 255
RGB Percent	91%, 70%, 100%
CMY	0.0926, 0.2966, 0.0000
CMYK	0.09, 0.30, 0.00, 0.00
HSL	281°, 100%, 85%
HSV	281°, 30%, 100%
XYZ	67.3813, 56.6813, 102.3195
YIQ	203.2120, 6.5960, 34.6600

Conversions

Conversions Part 2

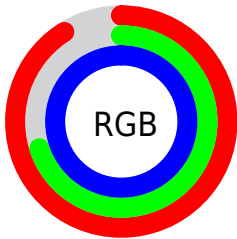
Format	Color
R _Y B	231, 179, 255
Decimal	15184895
CIE _{Lab}	80.00, 32.04, -30.38
CIE _{LCh}	80, 44.152, 316.521
Y _{xy}	56.6813, 0.2976, 0.2504
Android (android.graphics.Color)	4293374975 (0xFFE7B3FF)
Y _{UV}	203.2120, 25.5315, 24.3701
Hunter-Lab	75.2870, 28.0039, -27.8777

Details

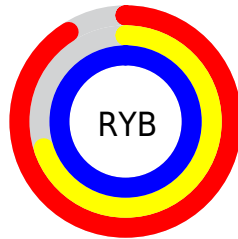
The CIELCh color `80, 44.152, 316.521` is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be `95, 42.946, 133.925`, and the grayscale version is `82, 0.010, 296.813`.

A 20% lighter version of the original color is `95, 12.482, 324.851`, and `60, 43.952, 316.667` is the 20% darker color. If you saturate the color by 10%, you get `74, 58.979, 317.055`, and if you desaturate by 10%, it is `87, 28.930, 316.181`.

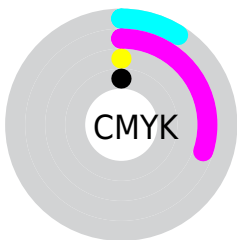
Distribution



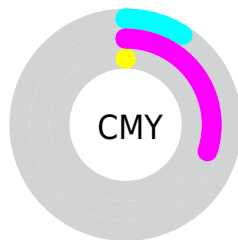
- Red (91%)
- Green (70%)
- Blue (100%)



- Red (91%)
- Yellow (70%)
- Blue (100%)



- Cyan (9%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (30%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 44.152, 316.521 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, 44.152, 316.521 by changing the saturation by 10% instead.


 80, 44.152,
316.521


 80, 44.152,
316.521


 100, 44.152,
316.521


 70, 44.152,
316.521

 60, 44.152,
316.521

 50, 44.152,
316.521

 40, 44.152,
316.521

 30, 44.152,
316.521

 20, 44.152,
316.521

 10, 44.152,

316.521

■ 0, 44.152, 316.521

■ 80, 44.152,
316.521

■ 80, 44.152,
316.521

■ 74, 58.979,
317.055

■ 87, 28.930,
316.181

■ 67, 73.625,
317.439

■ 93, 14.073,
315.735

■ 62, 87.409,
317.733

■ 100, 0.012,
296.813

■ 57, 99.649,
317.881

■ 53, 109.546,
317.814

■ 50,116.371,
317.462

■ 48,120.059,
316.811

■ 47,120.164,
316.787

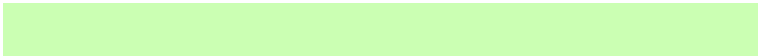
Harmonies

Complementary

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



80, 44.152, 316.521



95, 42.946, 133.925

Rectangle

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



80, 44.152, 316.521



80, 44.152, 6.521



80, 44.152, 136.521



80, 44.152, 186.521

Sweetspot

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



80, 43.968, 316.626



94, 13.102, 315.706



82, 28.172, 277.023



49, 9.118, 315.771



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, 43.968, 316.626



76, 53.505, 316.902



82, 41.802, 331.842



49, 8.281, 315.728



35, 96.685, 316.956



8, 44.175, 318.153

Inverse Universe

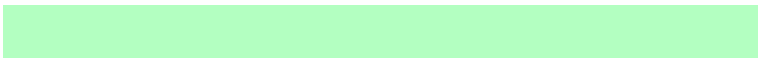
The Inverse Universe completely reimagines the original color for something new.



81, 30.789, 358.409



77, 37.630, 359.351



94, 41.653, 147.697



50, 5.701, 355.967



40, 70.279, 20.145



10, 31.414, 11.876

Previews

White Background



This preview shows how the CIELCh color 80, 44.152, 316.521 looks on a white background.

Color Contrast Check

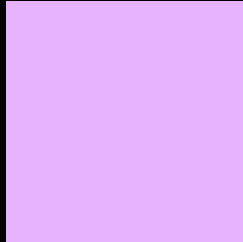
Large Text (above 18pt) WCAG AA × Fail

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, 44.152, 316.521 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, 44.152, 316.521

Background



This preview shows how black text looks on a background with the CIELCh color 80, 44.152, 316.521.



This preview shows how white text looks on a background with the CIELCh color 80, 44.152, 316.521.

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
80, 15.203, 349.103

Trichromacy



Original Color
80, 44.152, 316.521



Protanomaly
80, 34.385, 298.521



Deuteranomaly
80, 34.689, 301.770

Tritanomaly
80, 25.226, 328.191

Monochromacy



Original Color
80, 44.152, 316.521



Achromatopsia
82, 0.010, 296.813



Achromatomaly
81, 16.417, 315.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 44.152, 316.521 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, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 179, 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(231, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 179, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 44.152, 316.521 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, 179, 255) }
```

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

```
.border{ border-color:rgb(231, 179, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 179,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 44.152, 316.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 179, 255) }
```

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

```
.background{ background-color: rgb(231,  
179, 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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