

Converting Colors

CIELCh(82, 73.621, 306.855)

Have a look what the booklet for
CIELCh(82, 73.621, 306.855)
contains.

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Color

CIELCh(80, 43.808, 315.259)

Conversions

Conversions Part 1

Format	Color
Hex	E5B4FF
RGB	229, 180, 255
RGB Percent	90%, 71%, 100%
CMY	0.1012, 0.2936, 0.0000
CMYK	0.10, 0.29, 0.00, 0.00
HSL	279°, 100%, 85%
HSV	279°, 29%, 100%
XYZ	66.9644, 56.6813, 103.0358
YIQ	203.2010, 5.1290, 33.7130

Conversions

Conversions Part 2

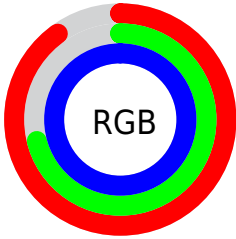
Format	Color
R _Y B	229, 180, 255
Decimal	15054079
CIE Lab	80.00, 31.12, -30.84
CIE LCh	80, 43.808, 315.259
Yxy	56.6813, 0.2954, 0.2500
Android (android.graphics.Color)	4293244159 (0xFFE5B4FF)
YUV	203.2010, 25.5369, 22.6257
Hunter-Lab	75.2870, 27.0156, -28.4419

Details

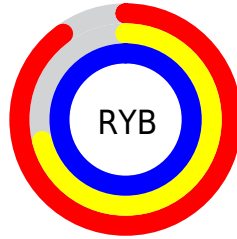
The CIELCh color `80, 43.808, 315.259` is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be `95, 42.106, 132.924`, and the grayscale version is `82, 0.010, 296.813`.

A 20% lighter version of the original color is `95, 11.855, 324.828`, and `60, 43.083, 315.607` is the 20% darker color. If you saturate the color by 10%, you get `73, 58.218, 316.016`, and if you desaturate by 10%, it is `87, 28.266, 315.124`.

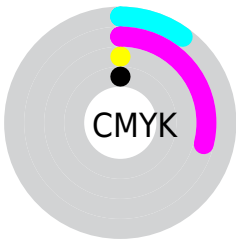
Distribution



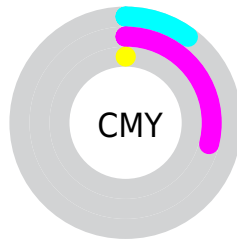
- Red (90%)
- Green (71%)
- Blue (100%)



- Red (90%)
- Yellow (71%)
- Blue (100%)



- Cyan (10%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)





- Cyan (10%)
- Magenta (29%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 43.808, 315.259 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, 43.808, 315.259 by changing the saturation by 10% instead.


 80, 43.808,
315.259


 80, 43.808,
315.259


 100, 43.808,
315.259


 70, 43.808,
315.259

 60, 43.808,
315.259

 50, 43.808,
315.259

 40, 43.808,
315.259

 30, 43.808,
315.259

 20, 43.808,
315.259

 10, 43.808,

315.259

■ 0, 43.808, 315.259

■ 80, 43.808,
315.259

■ 80, 43.808,
315.259

■ 73, 58.218,
316.016

■ 87, 28.266,
315.124

■ 67, 72.917,
316.416

■ 94, 13.519,
314.678

■ 61, 86.849,
316.730

■ 100, 0.012,
296.813

■ 56, 99.343,
316.900

■ 52, 109.578,
316.851

■ 49,116.767,
316.504

■ 46,120.732,
315.833

■ 46,120.943,
315.787

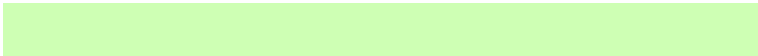
Harmonies

Complementary

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



80, 43.808, 315.259



95, 42.106, 132.924

Rectangle

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



80, 43.808, 315.259



80, 43.808, 5.259



80, 43.808, 135.259



80, 43.808, 185.259

Sweetspot

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



80, 43.229, 315.576



94, 12.995, 314.662



83, 26.765, 274.382



49, 9.045, 314.726



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, 43.229, 315.576



76, 51.698, 315.827



82, 42.342, 330.649



49, 8.214, 314.684



34, 97.297, 315.965



8, 44.391, 317.230

Inverse Universe

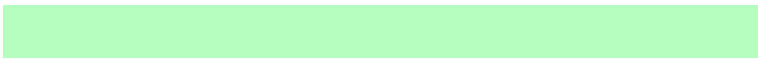
The Inverse Universe completely reimagines the original color for something new.



81, 30.881, 356.127



78, 37.007, 356.931



94, 42.244, 146.654



50, 5.800, 353.779



40, 69.358, 17.119



10, 31.320, 9.414

Previews

White Background



This preview shows how the CIELCh color 80, 43.808, 315.259 looks on a white background.

Color Contrast Check

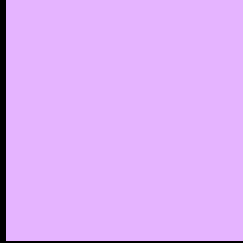
Large Text (above 18pt) WCAG AA × Fail

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, 43.808, 315.259 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, 43.808, 315.259

Background



This preview shows how black text looks on a background with the CIELCh color 80, 43.808, 315.259.



This preview shows how white text looks on a background with the CIELCh color 80, 43.808, 315.259.

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, 43.292, 315.517

Protanopia
80, 31.585, 285.477

Deuteranopia
80, 30.388, 289.810



Tritanopia
80, 13.947, 345.718

Trichromacy



Original Color
80, 43.292, 315.517



Protanomaly
80, 34.945, 298.480



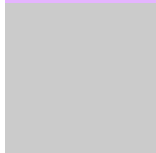
Deuteranomaly
80, 34.041, 300.777

Tritanomaly
80, 23.975, 326.081

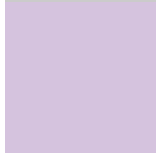
Monochromacy



Original Color
80, 43.292, 315.517



Achromatopsia
82, 0.010, 296.813



Achromatomaly
81, 15.791, 315.167

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 43.808, 315.259 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(229, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 180, 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(229, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 180, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 43.808, 315.259 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(229, 180, 255) }
```

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

```
.border{ border-color:rgb(229, 180, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 180,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 43.808, 315.259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 180, 255) }
```

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

```
.background{ background-color: rgb(229,  
180, 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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