

Converting Colors

CIELCh(81, 61.443, 314.274)

Have a look what the booklet for
CIELCh(81, 61.443, 314.274)
contains.

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Color

CIELCh(80, 47.939, 320.978)

Conversions

Conversions Part 1

Format	Color
Hex	F1AFFF
RGB	241, 175, 255
RGB Percent	95%, 69%, 100%
CMY	0.0542, 0.3131, 0.0000
CMYK	0.05, 0.31, 0.00, 0.00
HSL	290°, 100%, 84%
HSV	290°, 31%, 100%
XYZ	69.7694, 56.6813, 102.0108
YIQ	203.8540, 13.6560, 38.8720

Conversions

Conversions Part 2

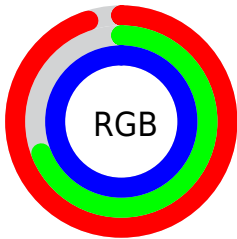
Format	Color
R _Y B	241, 175, 255
Decimal	15839231
CIE _{Lab}	80.00, 37.24, -30.18
CIE _{LCh}	80, 47.939, 320.978
Y _{xy}	56.6813, 0.3054, 0.2481
Android (android.graphics.Color)	4294029311 (0xFFFF1AFFF)
Y _{UV}	203.8540, 25.2150, 32.5770
Hunter-Lab	75.2870, 33.6661, -27.6347

Details

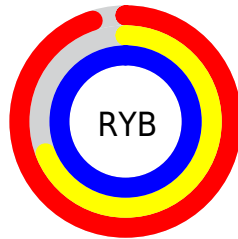
The CIELCh color $80, 47.939, 320.978$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $94, 47.295, 137.861$, and the grayscale version is $82, 0.010, 296.813$.

A 20% lighter version of the original color is $94, 14.992, 324.942$, and $60, 47.612, 320.972$ is the 20% darker color. If you saturate the color by 10%, you get $74, 62.942, 321.451$, and if you desaturate by 10%, it is $86, 32.491, 320.574$.

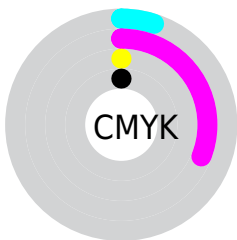
Distribution



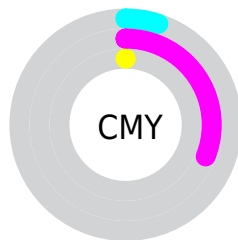
- Red (95%)
- Green (69%)
- Blue (100%)



- Red (95%)
- Yellow (69%)
- Blue (100%)



- Cyan (5%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (31%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 47.939, 320.978 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, 47.939, 320.978 by changing the saturation by 10% instead.


 80, 47.939,
320.978


 80, 47.939,
320.978


 100, 47.939,
320.978


 70, 47.939,
320.978

 60, 47.939,
320.978

 50, 47.939,
320.978

 40, 47.939,
320.978


 30, 47.939,
320.978

 20, 47.939,
320.978


 10, 47.939,


320.978

 0, 47.939, 320.978


 80, 47.939,
320.978


 80, 47.939,
320.978


 74, 62.942,
321.451

 86, 32.491,
320.574


 69, 77.299,
321.814

 93, 17.130,
320.106


 64, 90.354,
322.082

 99, 1.973, 319.534

100, 0.012,

 60, 101.418,
322.216

296.813

 56, 109.812,
322.172

■ 54, 115.084,
321.915

■ 53, 117.383,
321.531

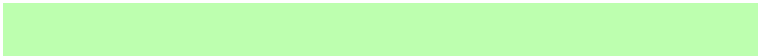
Harmonies

Complementary

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



80, 47.939, 320.978



94, 47.295, 137.861

Rectangle

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



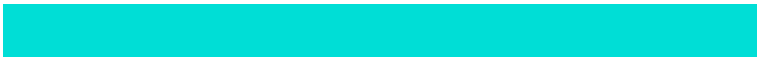
80, 47.939, 320.978



80, 47.939, 10.978



80, 47.939, 140.978



80, 47.939, 190.978

Sweetspot

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



80, 47.862, 321.028



94, 13.606, 319.996



78, 35.085, 285.868



49, 9.466, 320.065



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, 47.862, 321.028



76, 58.007, 321.316



81, 40.246, 337.319



50, 8.599, 320.020



40, 94.507, 321.640



10, 43.361, 322.395

Inverse Universe

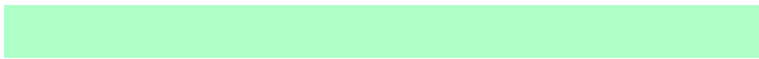
The Inverse Universe completely reimagines the original color for something new.



79, 31.375, 8.861



75, 38.611, 9.952



94, 39.747, 152.344



50, 5.382, 6.128



40, 76.288, 31.528



10, 32.143, 20.011

Previews

White Background



This preview shows how the CIELCh color 80, 47.939, 320.978 looks on a white background.

Color Contrast Check

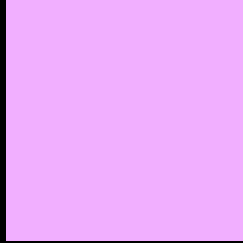
Large Text (above 18pt) WCAG AA × Fail

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, 47.939, 320.978 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, 47.939, 320.978

Background



This preview shows how black text looks on a background with the CIELCh color 80, 47.939, 320.978.

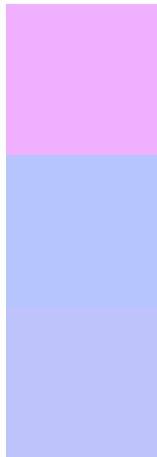


This preview shows how white text looks on a background with the CIELCh color 80, 47.939, 320.978.

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, 47.939, 320.978

Protanopia
80, 31.067, 284.705

Deuteranopia
80, 29.849, 290.315



Tritanopia
80, 19.057, 358.166

Trichromacy



Original Color
80, 47.939, 320.978



Protanomaly
80, 35.690, 301.042



Deuteranomaly
80, 34.998, 304.464



Tritanomaly
80, 28.016, 335.752

Monochromacy



Original Color
80, 47.939, 320.978



Achromatopsia
82, 0.010, 296.813



Achromatomaly
81, 17.693, 320.206

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 47.939, 320.978 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(241, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(241, 175, 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(241, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 175, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 47.939, 320.978 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(241, 175, 255) }
```

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

```
.border{ border-color:rgb(241, 175, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 175,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 47.939, 320.978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 175, 255) }
```

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

```
.background{ background-color: rgb(241,  
175, 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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