

Converting Colors

CIELCh(81, 49.586, 327.399)

Have a look what the booklet for
CIELCh(81, 49.586, 327.399)
contains.

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Color

CIELCh(81, 49.418, 327.220)

Conversions

Conversions Part 1

Format	Color
Hex	FFAEFC
RGB	255, 174, 252
RGB Percent	100%, 68%, 99%
CMY	0.0006, 0.3182, 0.0123
CMYK	0.00, 0.32, 0.01, 0.00
HSL	302°, 100%, 84%
HSV	302°, 32%, 100%
XYZ	73.8441, 58.4711, 99.3700
YIQ	207.1110, 23.2380, 41.4300

Conversions

Conversions Part 2

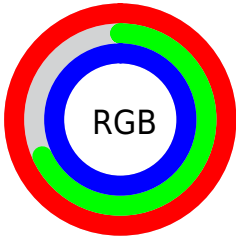
Format	Color
R _Y B	255, 174, 252
Decimal	16756476
CIE _{Lab}	81.00, 41.55, -26.76
CIE _{LCh}	81, 49.418, 327.220
Y _{xy}	58.4711, 0.3187, 0.2524
Android (android.graphics.Color)	4294946556 (0xFFFFAEFC)
YUV	207.1110, 22.1303, 41.9987
Hunter-Lab	76.4664, 38.5624, -23.5224

Details

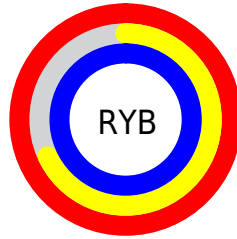
The CIELCh color $81, 49.418, 327.220$ is a light color, and the websafe version is hex FF99FF . A complement of this color would be $93, 49.430, 143.135$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $94, 15.620, 324.964$, and $61, 49.386, 327.259$ is the 20% darker color. If you saturate the color by 10%, you get $76, 64.298, 327.754$, and if you desaturate by 10%, it is $87, 33.955, 326.662$.

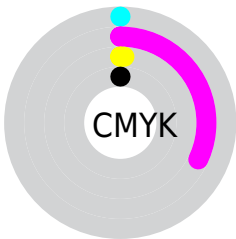
Distribution



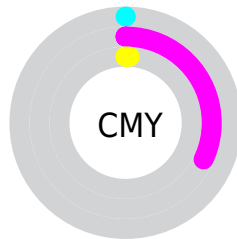
- Red (100%)
- Green (68%)
- Blue (99%)



- Red (100%)
- Yellow (68%)
- Blue (99%)



- Cyan (0%)
- Magenta (32%)
- Yellow (1%)
- Black (0%)




- Cyan (0%)
- Magenta (32%)
- Yellow (1%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 49.418, 327.220 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 81, 49.418, 327.220 by changing the saturation by 10% instead.


 81, 49.418,
327.220


 81, 49.418,
327.220


 100, 49.418,
327.220


 71, 49.418,
327.220

 61, 49.418,
327.220

 51, 49.418,
327.220

 41, 49.418,
327.220

 31, 49.418,
327.220

 21, 49.418,
327.220

 11, 49.418,

327.220

■ 1, 49.418, 327.220

■ 0, 49.418, 327.220

■ 81, 49.418,
327.220

■ 81, 49.418,
327.220

■ 76, 64.298,
327.754

■ 87, 33.955,
326.662

■ 71, 78.091,
328.251

■ 93, 18.309,
326.090

■ 67, 90.183,
328.695

■ 99, 2.751, 325.429

■ 64, 99.948,
329.075

100, 0.050,
212.741

■ 62, 106.886,

329.386

■ 60, 110.809,
329.630

■ 60, 112.150,
329.792

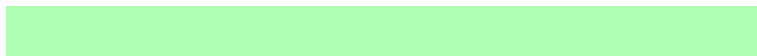
Harmonies

Complementary

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



81, 49.418, 327.220



93, 49.430, 143.135

Rectangle

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



81, 49.418, 327.220



81, 49.418, 17.220



81, 49.418, 147.220



81, 49.418, 197.220

Sweetspot

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



81, 49.415, 327.220



94, 15.539, 325.986



74, 43.932, 295.270



49, 10.609, 326.068



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



81, 49.415, 327.220



78, 58.801, 327.556



80, 35.598, 348.636



50, 8.832, 325.957



45, 90.415, 329.764



12, 41.741, 329.573

Inverse Universe

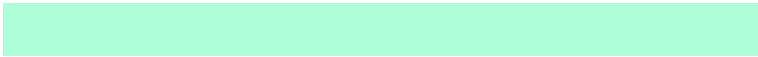
The Inverse Universe completely reimagines the original color for something new.



81, 49.415, 327.220



78, 58.801, 327.556



94, 33.979, 162.409



50, 8.832, 325.957



45, 90.415, 329.764



12, 41.741, 329.573

Previews

White Background



This preview shows how the CIELCh color 81, 49.418, 327.220 looks on a white background.

Color Contrast Check

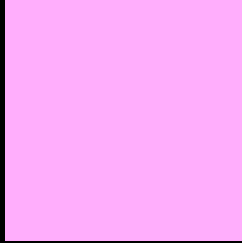
Large Text (above 18pt) WCAG AA × Fail

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 81, 49.418, 327.220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

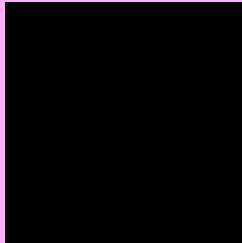
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 49.418, 327.220

Background



This preview shows how black text looks on a background with the CIELCh color 81, 49.418, 327.220.



This preview shows how white text looks on a background with the CIELCh color 81, 49.418, 327.220.

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

81, 49.418, 327.220

Protanopia

81, 29.382, 284.620

Deuteranopia

81, 26.616, 293.195



Tritanopia
81, 25.216, 4.633

Trichromacy



Original Color
81, 49.418, 327.220



Protanomaly
81, 34.998, 304.985



Deuteranomaly
81, 33.638, 310.226

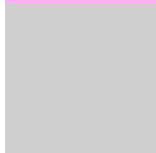


Tritanomaly
81, 32.291, 343.884

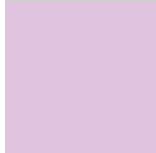
Monochromacy



Original Color
81, 49.418, 327.220



Achromatopsia
83, 0.010, 296.813



Achromatomaly
82, 18.168, 326.081

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 49.418, 327.220 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(255, 174, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 252)  
}
```

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(255, 174, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 49.418, 327.220 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(255, 174, 252) }
```

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

```
.border{ border-color:rgb(255, 174, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 174, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 49.418, 327.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 174, 252) }
```

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

```
.background{ background-color: rgb(255,  
174, 252) }
```

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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