

Converting Colors

CIELCh(89, 78.709, 327.754)

Have a look what the booklet for
CIELCh(89, 78.709, 327.754)
contains.

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Color

CIELCh(81, 50.659, 326.174)

Conversions

Conversions Part 1

Format	Color
Hex	FFAEFF
RGB	255, 174, 255
RGB Percent	100%, 68%, 100%
CMY	0.0018, 0.3193, 0.0018
CMYK	0.00, 0.32, 0.00, 0.00
HSL	300°, 99%, 84%
HSV	300°, 32%, 100%
XYZ	74.1025, 58.4711, 101.6068
YIQ	207.4530, 22.2750, 42.3630

Conversions

Conversions Part 2

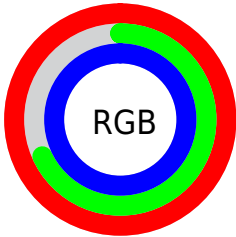
Format	Color
R _Y B	255, 174, 255
Decimal	16756479
CIE Lab	81.00, 42.08, -28.20
CIE LCh	81, 50.659, 326.174
Yxy	58.4711, 0.3164, 0.2497
Android (android.graphics.Color)	4294946559 (0xFFFFAEFF)
YUV	207.4530, 23.4407, 41.6987
Hunter-Lab	76.4664, 39.1656, -25.2567

Details

The CIELCh color $81, 50.659, 326.174$ is a light color, and the websafe version is hex $FF99FF$. A complement of this color would be $93, 50.680, 142.153$, 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 $61, 50.682, 326.161$ is the 20% darker color. If you saturate the color by 10%, you get $76, 65.885, 326.681$, and if you desaturate by 10%, it is $87, 34.831, 325.635$.

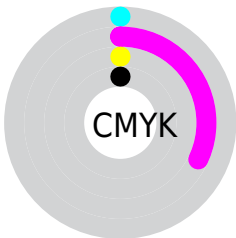
Distribution



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



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



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 50.659, 326.174 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, 50.659, 326.174 by changing the saturation by 10% instead.


 81, 50.659,
326.174


 81, 50.659,
326.174


 100, 50.659,
326.174


 71, 50.659,
326.174

 61, 50.659,
326.174

 51, 50.659,
326.174

 41, 50.659,
326.174

 31, 50.659,
326.174


 21, 50.659,
326.174


 11, 50.659,


326.174


 1, 50.659, 326.174


 0, 50.659, 326.174


 81, 50.659,
326.174


 81, 50.659,
326.174

 76, 65.885,
326.681


 87, 34.831,
325.635

 71, 79.997,
327.139


 93, 18.808,
325.077

 67, 92.382,
327.530

 99, 2.870, 324.433

 64, 102.418,
327.840

100, 0.269,
145.509

 62, 109.623,

100, 0.269,
145.421

328.058

100, 0.269,
145.332

■ 61, 113.825,
328.183

100, 0.268,
145.243

■ 60, 115.412,
328.230

100, 0.268,
145.153

100, 0.268,
145.064

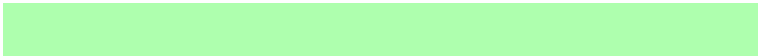
Harmonies

Complementary

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



81, 50.659, 326.174



93, 50.680, 142.153

Rectangle

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



81, 50.659, 326.174



81, 50.659, 16.174



81, 50.659, 146.174



81, 50.659, 196.174

Sweetspot

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



81, 50.656, 326.174



94, 15.934, 324.974



74, 43.140, 293.584



49, 10.879, 325.054



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, 50.656, 326.174



78, 60.270, 326.493



80, 36.655, 345.736



50, 9.057, 324.945



45, 93.083, 328.230



12, 42.823, 328.231

Inverse Universe

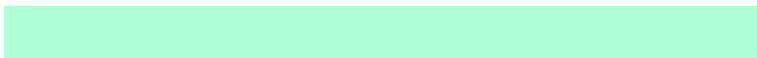
The Inverse Universe completely reimagines the original color for something new.



79, 32.018, 22.174



75, 39.161, 23.055



94, 35.357, 159.771



49, 5.254, 19.939



40, 84.227, 39.998



10, 33.367, 27.174

Previews

White Background



This preview shows how the CIE LCh color 81, 50.659, 326.174 looks on a white background.

Color Contrast Check

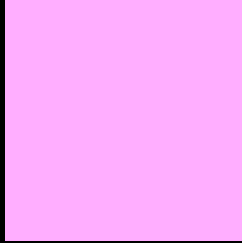
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 81, 50.659, 326.174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

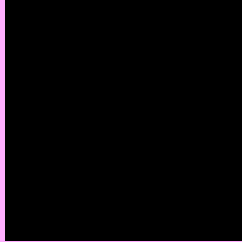
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 50.659, 326.174

Background



This preview shows how black text looks on a background with the CIELCh color 81, 50.659, 326.174.

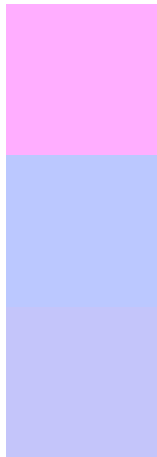


This preview shows how white text looks on a background with the CIELCh color 81, 50.659, 326.174.

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, 50.659, 326.174

Protanopia

81, 29.382, 284.620

Deuteranopia

81, 28.196, 291.964



Tritanopia
81, 24.458, 4.012

Trichromacy



Original Color
81, 50.659, 326.174



Protanomaly
81, 35.514, 304.826



Deuteranomaly
81, 35.590, 308.720



Tritanomaly
81, 31.986, 343.423

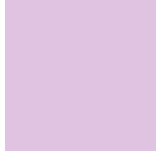
Monochromacy



Original Color
81, 50.659, 326.174



Achromatopsia
83, 0.010, 296.813



Achromatomaly
82, 18.597, 325.138

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 50.659, 326.174 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 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(255, 174, 255) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 81, 50.659, 326.174 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, 255) }
```

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

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

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, 255) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 81, 50.659, 326.174 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, 255) }
```

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

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