

Converting Colors

CIELCh(84, 93.053, 310.157)

Have a look what the booklet for
CIELCh(84, 93.053, 310.157)
contains.

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Color

CIELCh(80, 51.102, 324.467)

Conversions

Conversions Part 1

Format	Color
Hex	F9ABFE
RGB	249, 171, 254
RGB Percent	98%, 67%, 100%
CMY	0.0220, 0.3277, 0.0024
CMYK	0.02, 0.33, 0.00, 0.00
HSL	296°, 99%, 83%
HSV	296°, 33%, 100%
XYZ	71.8038, 56.6813, 101.2554
YIQ	203.7840, 19.8450, 42.3490

Conversions

Conversions Part 2

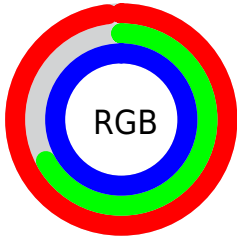
Format	Color
R _Y B	249, 171, 254
Decimal	16362494
CIE Lab	80.00, 41.59, -29.70
CIE LCh	80, 51.102, 324.467
Yxy	56.6813, 0.3125, 0.2467
Android (android.graphics.Color)	4294552574 (0xFFF9ABFE)
YUV	203.7840, 24.7565, 39.6544
Hunter-Lab	75.2870, 38.4893, -27.0398

Details

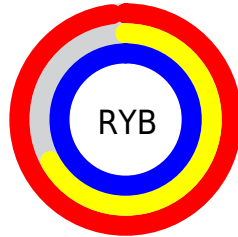
The CIELCh color $80, 51.102, 324.467$ is a light color, and the websafe version is hex FF99FF . A complement of this color would be $93, 50.931, 140.664$, and the grayscale version is $82, 0.010, 296.813$.

A 20% lighter version of the original color is $93, 17.506, 325.031$, and $60, 51.247, 324.376$ is the 20% darker color. If you saturate the color by 10%, you get $75, 66.184, 324.930$, and if you desaturate by 10%, it is $86, 35.486, 323.968$.

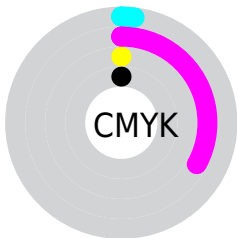
Distribution



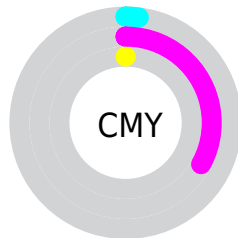
- Red (98%)
- Green (67%)
- Blue (100%)



- Red (98%)
- Yellow (67%)
- Blue (100%)



- Cyan (2%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 51.102, 324.467 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, 51.102, 324.467 by changing the saturation by 10% instead.


 80, 51.102,
324.467


 80, 51.102,
324.467


 100, 51.102,
324.467


 70, 51.102,
324.467

 60, 51.102,
324.467

 50, 51.102,
324.467

 40, 51.102,
324.467


 30, 51.102,
324.467


 20, 51.102,
324.467


 10, 51.102,


324.467


 0, 51.102, 324.467


 80, 51.102,
324.467


 80, 51.102,
324.467


 75, 66.184,
324.930

 86, 35.486,
323.968


 70, 80.235,
325.336


 92, 19.719,
323.450

 66, 92.639,
325.661

 98, 4.060, 322.879

100, 0.294,
109.893

 62, 102.750,
325.880

 60, 110.030,
325.973

■ 58,114.256,
325.930

■ 58,115.758,
325.826

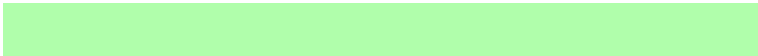
Harmonies

Complementary

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



80, 51.102, 324.467



93, 50.931, 140.664

Rectangle

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



80, 51.102, 324.467



80, 51.102, 14.467



80, 51.102, 144.467



80, 51.102, 194.467

Sweetspot

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



80, 51.099, 324.467



94, 15.641, 323.311



74, 41.895, 291.710



49, 10.681, 323.386



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, 51.099, 324.467



77, 60.942, 324.768



79, 38.738, 343.099



50, 8.890, 323.285



43, 93.396, 325.866



11, 42.945, 326.148

Inverse Universe

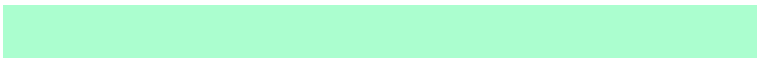
The Inverse Universe completely reimagines the original color for something new.



78, 32.622, 17.707



74, 39.849, 18.717



94, 37.676, 157.239



50, 5.262, 15.066



40, 81.724, 37.725



10, 32.886, 24.749

Previews

White Background



This preview shows how the CIE LCh color 80, 51.102, 324.467 looks on a white background.

Color Contrast Check

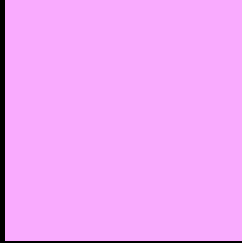
Large Text (above 18pt) WCAG AA × Fail

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, 51.102, 324.467 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, 51.102, 324.467

Background



This preview shows how black text looks on a background with the CIELCh color 80, 51.102, 324.467.



This preview shows how white text looks on a background with the CIELCh color 80, 51.102, 324.467.

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, 51.137, 324.473

Protanopia
80, 31.067, 284.705

Deuteranopia
80, 29.319, 290.220



Tritanopia
80, 23.409, 3.063

Trichromacy



Original Color
80, 51.137, 324.473



Protanomaly
80, 36.440, 303.006



Deuteranomaly
80, 36.434, 306.764

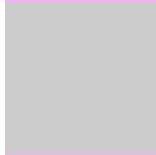


Tritanomaly
80, 31.518, 341.284

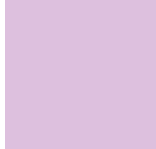
Monochromacy



Original Color
80, 51.137, 324.473



Achromatopsia
82, 0.010, 296.813



Achromatomaly
81, 19.081, 324.249

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 51.102, 324.467 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(249, 171, 254)` looks like.

```
.text, #text, p{  
    color:rgb(249, 171, 254)  
}
```

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(249, 171, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 171, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 51.102, 324.467 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(249, 171, 254) }
```

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

```
.border{ border-color:rgb(249, 171, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 171, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 171, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 171, 254);  
box-shadow:4px 4px 4px 4px rgb(249, 171,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 51.102, 324.467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 171, 254) }
```

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

```
.background{ background-color: rgb(249,  
171, 254) }
```

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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