

Converting Colors

CIELCh(81, 38.705, 311.096)

Have a look what the booklet for
CIELCh(81, 38.705, 311.096)
contains.

CIELCh(81, 38.264, 311.343)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(81, 38.264, 311.343)

Conversions

Conversions Part 1

Format	Color
Hex	DFBBFF
RGB	223, 187, 255
RGB Percent	87%, 73%, 100%
CMY	0.1253, 0.2665, 0.0000
CMYK	0.13, 0.27, 0.00, 0.00
HSL	272°, 100%, 87%
HSV	272°, 27%, 100%
XYZ	66.2758, 58.4711, 102.4309
YIQ	205.5160, -0.3720, 28.7800

Conversions

Conversions Part 2

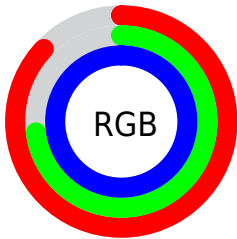
Format	Color
R _Y B	223, 187, 255
Decimal	14662655
CIE Lab	81.00, 25.28, -28.73
CIE LCh	81, 38.264, 311.343
Yxy	58.4711, 0.2917, 0.2574
Android (android.graphics.Color)	4292852735 (0xFFDFBFFF)
YUV	205.5160, 24.3956, 15.3335
Hunter-Lab	76.4664, 20.8952, -25.8957

Details

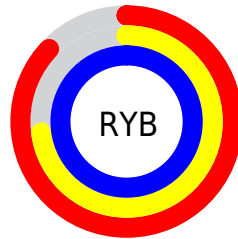
The CIELCh color **81, 38.264, 311.343** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **96, 36.938, 128.872**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 7.476, 324.660**, and **61, 37.901, 311.159** is the 20% darker color. If you saturate the color by 10%, you get **74, 53.124, 311.871**, and if you desaturate by 10%, it is **88, 23.598, 310.849**.

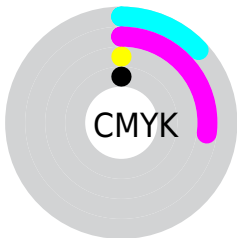
Distribution



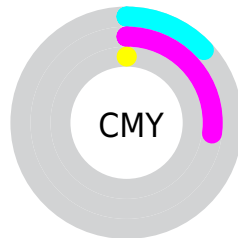
- Red (87%)
- Green (73%)
- Blue (100%)



- Red (87%)
- Yellow (73%)
- Blue (100%)



- Cyan (13%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (27%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 38.264, 311.343 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, 38.264, 311.343 by changing the saturation by 10% instead.


 81, 38.264,
311.343


 81, 38.264,
311.343


 100, 38.264,
311.343


 71, 38.264,
311.343

 61, 38.264,
311.343

 51, 38.264,
311.343

 41, 38.264,
311.343

 31, 38.264,
311.343

 21, 38.264,
311.343

 11, 38.264,

311.343

■ 1, 38.264, 311.343

■ 0, 38.264, 311.343

■ 81, 38.264,
311.343

■ 81, 38.264,
311.343

■ 74, 53.124,
311.871

■ 88, 23.598,
310.849

■ 67, 68.027,
312.384

■ 95, 9.300, 310.372

■ 61, 82.591,
312.848

100, 0.012,
296.813

■ 55, 96.236,
313.199

■ 50, 108.131,

313.348

■ 46, 117.281,
313.185

■ 43, 122.886,
312.613

■ 42, 124.238,
312.371

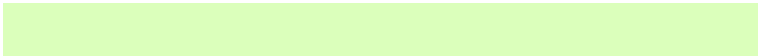
Harmonies

Complementary

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



81, 38.264, 311.343



96, 36.938, 128.872

Rectangle

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



81, 38.264, 311.343



81, 38.264, 1.343



81, 38.264, 131.343



81, 38.264, 181.343

Sweetspot

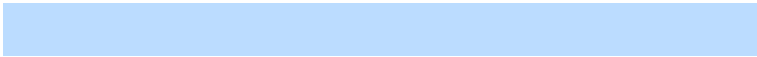
The Sweet Spot groups the original color and five complimentary colors.



81, 38.244, 311.352



94, 11.206, 310.436



86, 20.876, 261.352



49, 7.980, 310.507



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, 38.244, 311.352



77, 46.184, 311.629



84, 42.128, 326.360



49, 7.980, 310.507



31, 99.890, 312.567



6, 44.861, 313.699

Inverse Universe

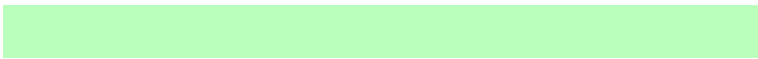
The Inverse Universe completely reimagines the original color for something new.



83, 29.859, 347.821



80, 35.940, 348.446



94, 42.118, 143.046



50, 6.259, 346.060



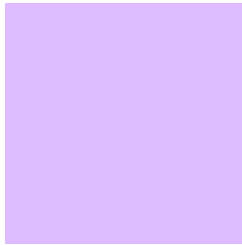
41, 68.031, 4.967



10, 31.620, 358.913

Previews

White Background



This preview shows how the CIELCh color 81, 38.264, 311.343 looks on a white background.

Color Contrast Check

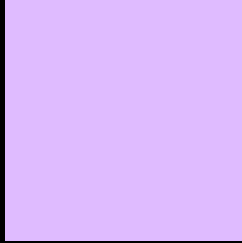
Large Text (above 18pt) WCAG AA × Fail

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, 38.264, 311.343 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, 38.264, 311.343

Background



This preview shows how black text looks on a background with the CIELCh color 81, 38.264, 311.343.



This preview shows how white text looks on a background with the CIELCh color 81, 38.264, 311.343.

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





Tritanopia
81, 11.467, 332.492

Trichromacy



Original Color
81, 38.264, 311.343

Protanomaly
81, 32.022, 295.825

Deuteranomaly
81, 32.815, 299.811

Tritanomaly
81, 21.001, 318.613

Monochromacy



Original Color
81, 38.264, 311.343

Achromatopsia
83, 0.010, 296.813

Achromatomaly
82, 14.103, 310.250

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 38.264, 311.343 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(223, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 187, 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(223, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 187, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 38.264, 311.343 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(223, 187, 255) }
```

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

```
.border{ border-color:rgb(223, 187, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 187, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 187, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 187, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 187,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 38.264, 311.343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 187, 255) }
```

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

```
.background{ background-color: rgb(223,  
187, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor