

Converting Colors

CIELCh(81, 42.858, 332.516)

Have a look what the booklet for
CIELCh(81, 42.858, 332.516)
contains.

CIELCh(81, 43.065, 332.638)	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, 43.065, 332.638)

Conversions

Conversions Part 1

Format	Color
Hex	FFB0EF
RGB	255, 176, 239
RGB Percent	100%, 69%, 94%
CMY	0.0005, 0.3102, 0.0632
CMYK	0.00, 0.31, 0.06, 0.00
HSL	312°, 100%, 84%
HSV	312°, 31%, 100%
XYZ	72.2643, 58.4711, 89.0503
YIQ	206.8030, 26.8610, 36.3410

Conversions

Conversions Part 2

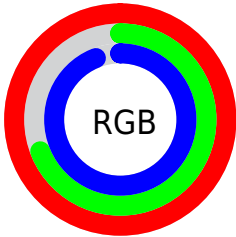
Format	Color
R_{YB}	255, 176, 239
Decimal	16756975
CIE _{Lab}	81.00, 38.25, -19.79
CIE _{LCh}	81, 43.065, 332.638
Yxy	58.4711, 0.3288, 0.2660
Android (android.graphics.Color)	4294947055 (0xFFFFB0EF)
YUV	206.8030, 15.8731, 42.2688
Hunter-Lab	76.4664, 34.8745, -15.5208

Details

The CIELCh color $81, 43.065, 332.638$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $94, 42.875, 148.207$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $94, 14.364, 324.919$, and $61, 43.191, 332.497$ is the 20% darker color. If you saturate the color by 10%, you get $76, 56.478, 333.345$, and if you desaturate by 10%, it is $87, 29.194, 331.954$.

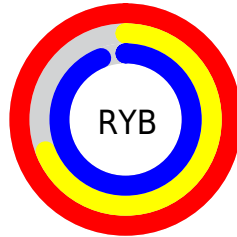
Distribution



Red (100%)

Green (69%)

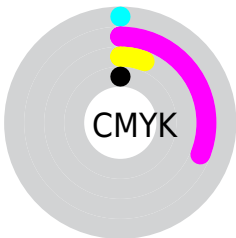
Blue (94%)



Red (100%)

Yellow (69%)

Blue (94%)

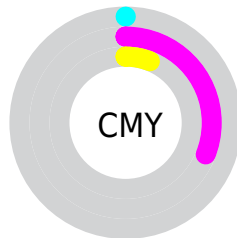


Cyan (0%)

Magenta (31%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 43.065, 332.638 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, 43.065, 332.638 by changing the saturation by 10% instead.


 81, 43.065,
332.638


 81, 43.065,
332.638


 100, 43.065,
332.638


 71, 43.065,
332.638

 61, 43.065,
332.638

 51, 43.065,
332.638

 41, 43.065,
332.638

 31, 43.065,
332.638

 21, 43.065,
332.638

 11, 43.065,

332.638

■ 1, 43.065, 332.638

■ 0, 43.065, 332.638

■ 81, 43.065,
332.638

■ 81, 43.065,
332.638

■ 76, 56.478,
333.345

■ 87, 29.194,
331.954

■ 71, 68.967,
334.076

■ 93, 15.219,
331.286

■ 66, 79.939,
334.840

■ 99, 1.368, 330.408

■ 63, 88.748,
335.652

100, 0.040,
216.059

■ 60, 94.830,

336.539

■ 58, 97.903,
337.539

■ 58, 98.450,
338.558

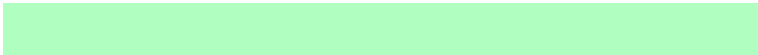
Harmonies

Complementary

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



81, 43.065, 332.638



94, 42.875, 148.207

Rectangle

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



81, 43.065, 332.638



81, 43.065, 22.638



81, 43.065, 152.638



81, 43.065, 202.638

Sweetspot

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



81, 43.062, 332.638



94, 12.452, 331.153



76, 43.050, 300.619



49, 8.661, 331.250



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, 43.062, 332.638



78, 51.226, 333.060



80, 32.062, 359.463



50, 7.869, 331.187



43, 79.530, 338.341



11, 37.262, 336.882

Inverse Universe

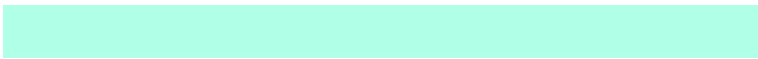
The Inverse Universe completely reimagines the original color for something new.



81, 43.062, 332.638



78, 51.226, 333.060



95, 29.218, 172.855



50, 7.869, 331.187



43, 79.530, 338.341



11, 37.262, 336.882

Previews

White Background



This preview shows how the CIELCh color 81, 43.065, 332.638 looks on a white background.

Color Contrast Check

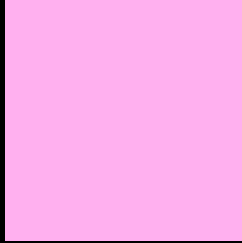
Large Text (above 18pt) WCAG AA × Fail

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, 43.065, 332.638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

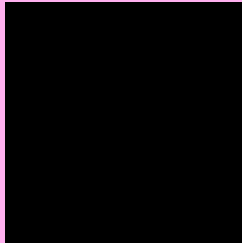
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 43.065, 332.638

Background



This preview shows how black text looks on a background with the CIELCh color 81, 43.065, 332.638.




This preview shows how white text looks on a background with the CIELCh color 81, 43.065, 332.638.

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, 25.953, 5.211

Trichromacy



Original Color
81, 43.065, 332.638



Protanomaly
81, 31.809, 305.482



Deuteranomaly
81, 27.759, 317.319

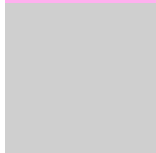


Tritanomaly
81, 30.942, 349.163

Monochromacy



Original Color
81, 43.065, 332.638



Achromatopsia
83, 0.010, 296.813



Achromatomaly
82, 15.868, 330.539

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 43.065, 332.638 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, 176, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 239)  
}
```

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, 176, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 43.065, 332.638 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, 176, 239) }
```

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

```
.border{ border-color:rgb(255, 176, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 176, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 43.065, 332.638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 239) }
```

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

```
.background{ background-color: rgb(255,  
176, 239) }
```

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