

Converting Colors

CIELCh(90, 63.467, 353.790)

Have a look what the booklet for
CIELCh(90, 63.467, 353.790)
contains.

CIELCh(81, 44.206, 331.260)	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, 44.206, 331.260)

Conversions

Conversions Part 1

Format	Color
Hex	FFB0F2
RGB	255, 176, 242
RGB Percent	100%, 69%, 95%
CMY	0.0016, 0.3113, 0.0525
CMYK	0.00, 0.31, 0.05, 0.00
HSL	310°, 99%, 84%
HSV	310°, 31%, 100%
XYZ	72.5084, 58.4711, 91.1559
YIQ	207.1450, 25.8980, 37.2740

Conversions

Conversions Part 2

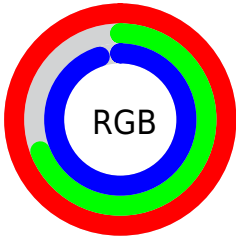
Format	Color
RYB	255, 176, 242
Decimal	16756978
CIELab	81.00, 38.76, -21.26
CIElCh	81, 44.206, 331.260
Yxy	58.4711, 0.3264, 0.2632
Android (android.graphics.Color)	4294947058 (0xFFFFB0F2)
YUV	207.1450, 17.1835, 41.9688
Hunter-Lab	76.4664, 35.4445, -17.1534

Details

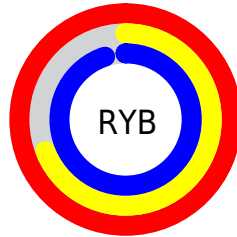
The CIELCh color $81, 44.206, 331.260$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $93, 44.084, 146.957$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $94, 14.364, 324.919$, and $61, 44.385, 331.054$ is the 20% darker color. If you saturate the color by 10%, you get $76, 57.939, 331.920$, and if you desaturate by 10%, it is $87, 29.992, 330.611$.

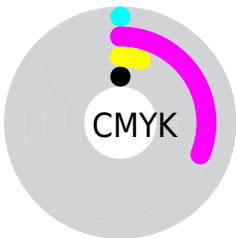
Distribution



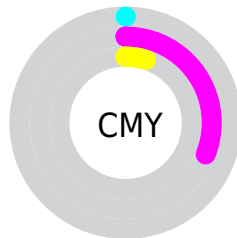
- Red (100%)
- Green (69%)
- Blue (95%)



- Red (100%)
- Yellow (69%)
- Blue (95%)



- Cyan (0%)
- Magenta (31%)
- Yellow (5%)
- Black (0%)



- Cyan (0%)
- Magenta (31%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 44.206, 331.260 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, 44.206, 331.260 by changing the saturation by 10% instead.

 81, 44.206,
331.260


 81, 44.206,
331.260


 100, 44.206,
331.260


 71, 44.206,
331.260

 61, 44.206,
331.260

 51, 44.206,
331.260

 41, 44.206,
331.260

 31, 44.206,
331.260

 21, 44.206,
331.260

 11, 44.206,

331.260

■ 1, 44.206, 331.260

■ 0, 44.206, 331.260

■ 81, 44.206,
331.260

■ 81, 44.206,
331.260

■ 76, 57.939,
331.920

■ 87, 29.992,
330.611

■ 71, 70.719,
332.588

■ 93, 15.659,
329.970

■ 66, 81.949,
333.265

■ 99, 1.444, 329.134

■ 63, 90.984,
333.961

100, 0.140,
204.123

■ 60, 97.273,

334.690

■ 59, 100.545,
335.479

■ 58, 101.269,
336.256

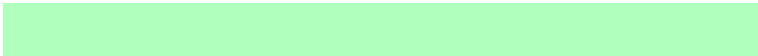
Harmonies

Complementary

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



81, 44.206, 331.260



93, 44.084, 146.957

Rectangle

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



81, 44.206, 331.260



81, 44.206, 21.260



81, 44.206, 151.260



81, 44.206, 201.260

Sweetspot

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



81, 44.203, 331.260



94, 12.792, 329.840



75, 42.933, 298.967



49, 8.897, 329.934



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, 44.203, 331.260



78, 52.572, 331.654



80, 32.715, 355.998



50, 8.083, 329.872



44, 81.843, 336.094



12, 38.228, 334.995

Inverse Universe

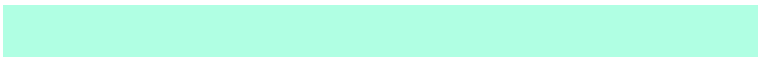
The Inverse Universe completely reimagines the original color for something new.



81, 44.203, 331.260



78, 52.572, 331.654



94, 30.306, 169.476



50, 8.083, 329.872



44, 81.843, 336.094



12, 38.228, 334.995

Previews

White Background



This preview shows how the CIELCh color 81, 44.206, 331.260 looks on a white background.

Color Contrast Check

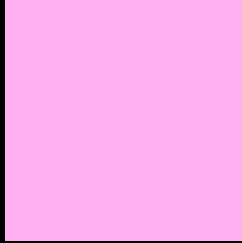
Large Text (above 18pt) WCAG AA × Fail

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, 44.206, 331.260 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, 44.206, 331.260

Background



This preview shows how black text looks on a background with the CIELCh color 81, 44.206, 331.260.



This preview shows how white text looks on a background with the CIELCh color 81, 44.206, 331.260.

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, 44.206, 331.260

Protanopia

81, 29.898, 285.433

Deuteranopia

81, 21.953, 297.370



Tritanopia
81, 25.584, 4.926

Trichromacy



Original Color
81, 44.206, 331.260



Protanomaly
81, 32.939, 305.688



Deuteranomaly
81, 29.055, 315.345

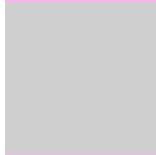


Tritanomaly
81, 30.890, 347.892

Monochromacy



Original Color
81, 44.206, 331.260



Achromatopsia
83, 0.010, 296.813



Achromatomaly
82, 16.272, 329.339

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 44.206, 331.260 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, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 242)  
}
```

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, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 44.206, 331.260 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, 242) }
```

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

```
.border{ border-color:rgb(255, 176, 242) }
```

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, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 44.206, 331.260 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, 242) }
```

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

```
.background{ background-color: rgb(255,  
176, 242) }
```

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