

Converting Colors

CIELCh(87, 44.555, 350.953)

Have a look what the booklet for
CIELCh(87, 44.555, 350.953)
contains.

CIELCh(83, 34.751, 337.061)	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(83, 34.751, 337.061)

Conversions

Conversions Part 1

Format	Color
Hex	FFBAE9
RGB	255, 186, 233
RGB Percent	100%, 73%, 91%
CMY	0.0006, 0.2711, 0.0869
CMYK	0.00, 0.27, 0.09, 0.00
HSL	319°, 100%, 86%
HSV	319°, 27%, 100%
XYZ	73.3992, 62.1629, 85.1096
YIQ	211.9890, 26.0370, 29.2450

Conversions

Conversions Part 2

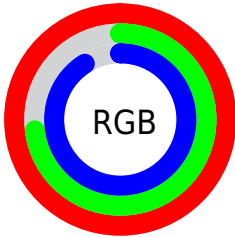
Format	Color
R _Y B	255, 186, 233
Decimal	16759529
CIE Lab	83.00, 32.00, -13.54
CIE LCh	83, 34.751, 337.061
Yxy	62.1629, 0.3326, 0.2817
Android (android.graphics.Color)	4294949609 (0xFFFFBAE9)
YUV	211.9890, 10.3584, 37.7206
Hunter-Lab	78.8435, 28.1982, -8.8117

Details

The CIELCh color `83, 34.751, 337.061` is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be `94, 34.346, 152.859`, and the grayscale version is `85, 0.010, 296.813`.

A 20% lighter version of the original color is `97, 7.476, 324.660`, and `63, 34.591, 337.022` is the 20% darker color. If you saturate the color by 10%, you get `77, 47.414, 337.915`, and if you desaturate by 10%, it is `89, 21.847, 336.267`.

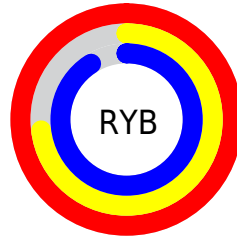
Distribution



Red (100%)

Green (73%)

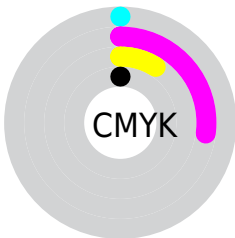
Blue (91%)



Red (100%)

Yellow (73%)

Blue (91%)

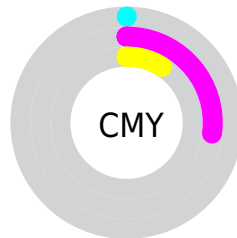


Cyan (0%)

Magenta (27%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (27%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 34.751, 337.061 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 83, 34.751, 337.061 by changing the saturation by 10% instead.


 83, 34.751,
337.061


 83, 34.751,
337.061


 100, 34.751,
337.061


 73, 34.751,
337.061

 63, 34.751,
337.061

 53, 34.751,
337.061

 43, 34.751,
337.061

 33, 34.751,
337.061

 23, 34.751,
337.061

 13, 34.751,

337.061

■ 3, 34.751, 337.061

■ 0, 34.751, 337.061

■ 83, 34.751,
337.061

■ 83, 34.751,
337.061

■ 77, 47.414,
337.915

■ 89, 21.847,
336.267

■ 72, 59.448,
338.844

■ 95, 8.983, 335.505

■ 67, 70.320,
339.877

100, 0.053,
212.103

■ 63, 79.401,
341.053

■ 60, 86.066,

342.433

■ 58, 89.884,
344.097

■ 57, 90.856,
346.132

■ 56, 90.847,
346.781

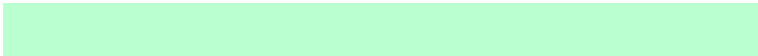
Harmonies

Complementary

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



83, 34.751, 337.061



94, 34.346, 152.859

Rectangle

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



83, 34.751, 337.061



83, 34.751, 27.061



83, 34.751, 157.061



83, 34.751, 207.061

Sweetspot

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



83, 34.748, 337.062



95, 10.178, 335.577



79, 37.704, 304.199



50, 7.242, 335.692



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83, 34.748, 337.062



80, 41.064, 337.474



82, 26.896, 7.476



50, 7.242, 335.692



42, 73.449, 346.356



11, 34.625, 343.520

Inverse Universe

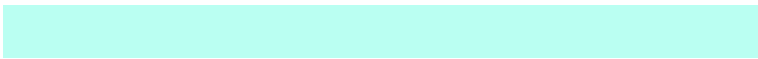
The Inverse Universe completely reimagines the original color for something new.



83, 34.748, 337.062



80, 41.064, 337.474



95, 23.882, 182.062



50, 7.242, 335.692



42, 73.449, 346.356



11, 34.625, 343.520

Previews

White Background



This preview shows how the CIELCh color 83, 34.751, 337.061 looks on a white background.

Color Contrast Check

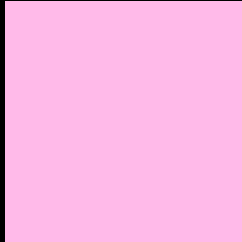
Large Text (above 18pt) WCAG AA × Fail

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 83, 34.751, 337.061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

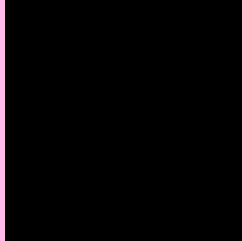
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 34.751, 337.061

Background



This preview shows how black text looks on a background with the CIELCh color 83, 34.751, 337.061.



This preview shows how white text looks on a background with the CIELCh color 83, 34.751, 337.061.

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
83, 34.751, 337.061

Protanopia
83, 21.729, 286.790

Deuteranopia
83, 16.419, 311.396

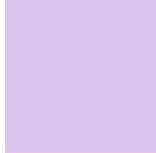


Tritanopia
83, 23.592, 3.298

Trichromacy



Original Color
83, 34.751, 337.061



Protanomaly
83, 24.002, 309.503



Deuteranomaly
83, 22.977, 325.287

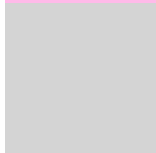


Tritanomaly
83, 26.814, 351.128

Monochromacy



Original Color
83, 34.751, 337.061



Achromatopsia
85, 0.010, 296.813



Achromatomaly
84, 13.390, 335.362

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 34.751, 337.061 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, 186, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 233)  
}
```

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, 186, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 34.751, 337.061 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, 186, 233) }
```

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

```
.border{ border-color:rgb(255, 186, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 186, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 34.751, 337.061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 233) }
```

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

```
.background{ background-color: rgb(255,  
186, 233) }
```

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