

Converting Colors

CIELCh(83, 36.142, 335.867)

Have a look what the booklet for
CIELCh(83, 36.142, 335.867)
contains.

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Color

CIELCh(83, 36.065, 335.670)

Conversions

Conversions Part 1

Format	Color
Hex	FFB9EB
RGB	255, 185, 235
RGB Percent	100%, 73%, 92%
CMY	0.0000, 0.2733, 0.0772
CMYK	0.00, 0.27, 0.08, 0.00
HSL	317°, 100%, 86%
HSV	317°, 27%, 100%
XYZ	73.8124, 62.1629, 86.9440
YIQ	211.6300, 25.6700, 30.3900

Conversions

Conversions Part 2

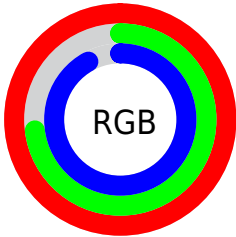
Format	Color
R _Y B	255, 185, 235
Decimal	16759275
CIE Lab	83.00, 32.86, -14.86
CIE LCh	83, 36.065, 335.670
Yxy	62.1629, 0.3311, 0.2789
Android (android.graphics.Color)	4294949355 (0xFFFFB9EB)
YUV	211.6300, 11.5214, 38.0355
Hunter-Lab	78.8435, 29.1336, -10.1912

Details

The CIELCh color **83, 36.065, 335.670** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **94, 35.666, 151.419**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 8.100, 324.685**, and **63, 35.960, 335.563** is the 20% darker color. If you saturate the color by 10%, you get **77, 48.938, 336.326**, and if you desaturate by 10%, it is **89, 22.768, 334.769**.

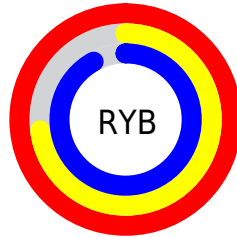
Distribution



Red (100%)

Green (73%)

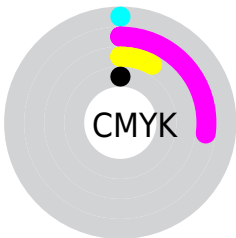
Blue (92%)



Red (100%)

Yellow (73%)

Blue (92%)

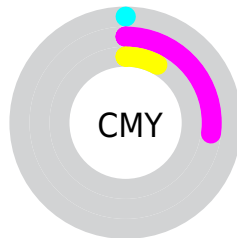


Cyan (0%)

Magenta (27%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (27%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 36.065, 335.670 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, 36.065, 335.670 by changing the saturation by 10% instead.


 83, 36.065,
335.670


 83, 36.065,
335.670


 100, 36.065,
335.670


 73, 36.065,
335.670

 63, 36.065,
335.670

 53, 36.065,
335.670

 43, 36.065,
335.670

 33, 36.065,
335.670

 23, 36.065,
335.670

 13, 36.065,

335.670

■ 3, 36.065, 335.670

■ 0, 36.065, 335.670

■ 83, 36.065,
335.670

■ 83, 36.065,
335.670

■ 77, 48.938,
336.326

■ 89, 22.768,
334.769

■ 72, 61.213,
337.186

■ 95, 9.566, 334.039

■ 67, 72.273,
338.125

100, 0.012,
296.813

■ 63, 81.482,
339.173

■ 60, 88.219,

340.377

■ 58, 92.059,
341.802

■ 57, 93.025,
343.518

■ 57, 93.023,
344.013

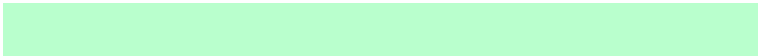
Harmonies

Complementary

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



83, 36.065, 335.670



94, 35.666, 151.419

Rectangle

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



83, 36.065, 335.670



83, 36.065, 25.670



83, 36.065, 155.670



83, 36.065, 205.670

Sweetspot

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



83, 35.986, 335.525



95, 10.447, 334.089



79, 37.914, 302.517



50, 7.433, 334.199



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, 35.986, 335.525



80, 43.387, 335.973



82, 27.512, 3.767



50, 7.433, 334.199



43, 75.167, 343.659



11, 35.391, 341.298

Inverse Universe

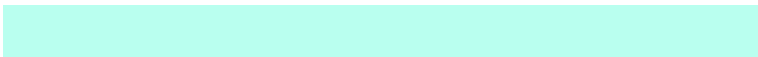
The Inverse Universe completely reimagines the original color for something new.



83, 35.986, 335.525



80, 43.387, 335.973



95, 24.828, 178.124



50, 7.433, 334.199



43, 75.167, 343.659



11, 35.391, 341.298

Previews

White Background



This preview shows how the CIELCh color 83, 36.065, 335.670 looks on a white background.

Color Contrast Check

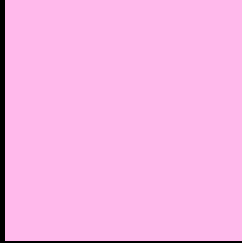
Large Text (above 18pt) WCAG AA × Fail

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, 36.065, 335.670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

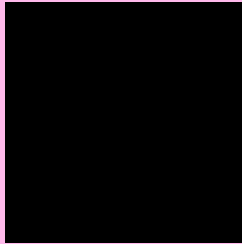
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 36.065, 335.670

Background



This preview shows how black text looks on a background with the CIELCh color 83, 36.065, 335.670.



This preview shows how white text looks on a background with the CIELCh color 83, 36.065, 335.670.

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, 36.065, 335.670

Protanopia
83, 22.802, 286.324

Deuteranopia
83, 17.200, 308.001



Tritanopia
83, 23.592, 3.298

Trichromacy



Original Color
83, 36.065, 335.670



Protanomaly
83, 25.007, 308.796



Deuteranomaly
83, 23.662, 323.107

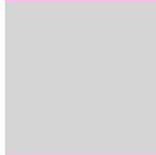


Tritanomaly
83, 27.050, 350.141

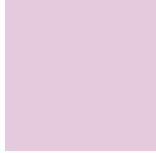
Monochromacy



Original Color
83, 36.065, 335.670



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, 36.065, 335.670 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, 185, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 235)  
}
```

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, 185, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 36.065, 335.670 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, 185, 235) }
```

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

```
.border{ border-color:rgb(255, 185, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 185, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 185, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 185, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 185,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 36.065, 335.670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 185, 235) }
```

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

```
.background{ background-color: rgb(255,  
185, 235) }
```

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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