

Converting Colors

CIELCh(100, 74.045, 5.101)

Have a look what the booklet for
CIELCh(100, 74.045, 5.101) contains.

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Color

CIELCh(85, 35.450, 330.650)

Conversions

Conversions Part 1

Format	Color
Hex	FFC1F6
RGB	255, 193, 246
RGB Percent	100%, 76%, 96%
CMY	0.0000, 0.2445, 0.0366
CMYK	0.00, 0.24, 0.04, 0.00
HSL	309°, 100%, 88%
HSV	309°, 24%, 100%
XYZ	77.0672, 66.0070, 95.6023
YIQ	217.5800, 19.9390, 29.6270

Conversions

Conversions Part 2

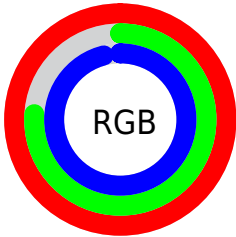
Format	Color
RYB	255, 193, 246
Decimal	16761334
CIELab	85.00, 30.90, -17.38
CIELCh	85, 35.450, 330.650
Yxy	66.0070, 0.3229, 0.2766
Android (android.graphics.Color)	4294951414 (0xFFFFC1F6)
YUV	217.5800, 14.0111, 32.8173
Hunter-Lab	81.2447, 27.1435, -12.8965

Details

The CIELCh color **85, 35.450, 330.650** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **95, 35.214, 147.084**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 3.114, 324.451**, and **65, 35.345, 330.160** is the 20% darker color. If you saturate the color by 10%, you get **79, 49.558, 330.962**, and if you desaturate by 10%, it is **91, 20.818, 329.690**.

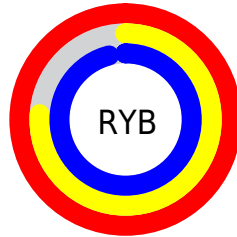
Distribution



Red (100%)

Green (76%)

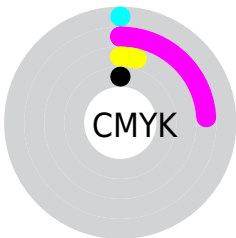
Blue (96%)



Red (100%)

Yellow (76%)

Blue (96%)

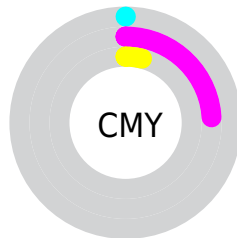


Cyan (0%)

Magenta (24%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (24%)


Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 35.450, 330.650 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 85, 35.450, 330.650 by changing the saturation by 10% instead.


 85, 35.450,
330.650


 85, 35.450,
330.650


 100, 35.450,
330.650


 75, 35.450,
330.650

 65, 35.450,
330.650

 55, 35.450,
330.650

 45, 35.450,
330.650

 35, 35.450,
330.650

 25, 35.450,
330.650

 15, 35.450,

330.650

■ 5, 35.450, 330.650

■ 0, 35.450, 330.650

■ 85, 35.450,
330.650

■ 85, 35.450,
330.650

■ 79, 49.558,
330.962

■ 91, 20.818,
329.690

■ 74, 63.174,
331.605

■ 97, 6.373, 329.042

■ 69, 75.628,
332.251

100, 0.012,
296.813

■ 65, 86.295,
332.898

■ 62, 94.545,

333.556

■ 60, 99.904,
334.239

■ 59, 102.250,
334.973

■ 58, 102.574,
335.406

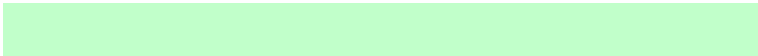
Harmonies

Complementary

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



85, 35.450, 330.650



95, 35.214, 147.084

Rectangle

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



85, 35.450, 330.650



85, 35.450, 20.650



85, 35.450, 150.650



85, 35.450, 200.650

Sweetspot

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



85, 35.306, 330.323



96, 10.041, 329.216



81, 33.411, 297.661



51, 6.527, 329.255



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 35.306, 330.323



82, 41.841, 330.613



84, 25.834, 354.025



50, 8.168, 329.377



44, 82.783, 335.263



12, 38.618, 334.292

Inverse Universe

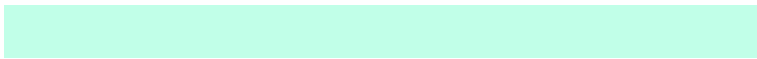
The Inverse Universe completely reimagines the original color for something new.



85, 35.306, 330.323



82, 41.841, 330.613



95, 24.430, 169.144



50, 8.168, 329.377



44, 82.783, 335.263



12, 38.618, 334.292

Previews

White Background



This preview shows how the CIELCh color 85, 35.450, 330.650 looks on a white background.

Color Contrast Check

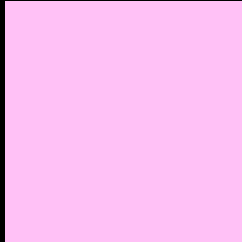
Large Text (above 18pt) WCAG AA × Fail

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 85, 35.450, 330.650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

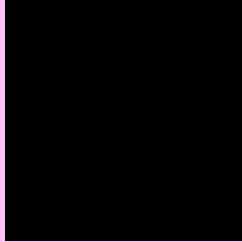
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 35.450, 330.650

Background



This preview shows how black text looks on a background with the CIELCh color 85, 35.450, 330.650.



This preview shows how white text looks on a background with the CIELCh color 85, 35.450, 330.650.

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

85, 35.218, 330.163

Protanopia

85, 23.230, 285.648

Deuteranopia

85, 19.478, 303.913



Tritanopia
85, 21.265, 358.010

Trichromacy



Original Color
85, 35.218, 330.163



Protanomaly
85, 26.130, 305.656



Deuteranomaly
85, 24.540, 316.913

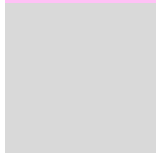


Tritanomaly
85, 25.607, 343.687

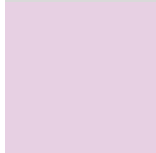
Monochromacy



Original Color
85, 35.218, 330.163



Achromatopsia
87, 0.010, 296.813



Achromatomaly
86, 12.982, 330.217

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 35.450, 330.650 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, 193, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 193, 246)  
}
```

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, 193, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 193, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 35.450, 330.650 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, 193, 246) }
```

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

```
.border{ border-color:rgb(255, 193, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 193, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 193, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 193, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 193,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 35.450, 330.650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 193, 246) }
```

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

```
.background{ background-color: rgb(255,  
193, 246) }
```

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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