

Converting Colors

CIELCh(85, 34.331, 342.890)

Have a look what the booklet for
CIELCh(85, 34.331, 342.890)
contains.

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Color

CIELCh(84, 31.959, 338.505)

Conversions

Conversions Part 1

Format	Color
Hex	FFBEE8
RGB	255, 190, 232
RGB Percent	100%, 75%, 91%
CMY	0.0000, 0.2540, 0.0893
CMYK	0.00, 0.25, 0.09, 0.00
HSL	321°, 100%, 87%
HSV	321°, 25%, 100%
XYZ	74.3846, 64.0658, 84.9577
YIQ	214.2230, 25.2580, 26.8420

Conversions

Conversions Part 2

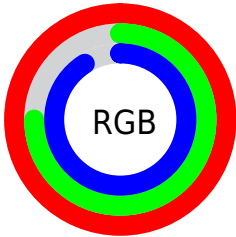
Format	Color
R _Y B	255, 190, 232
Decimal	16760552
CIE _{Lab}	84.00, 29.74, -11.71
CIE _{LCh}	84, 31.959, 338.505
Y _{xy}	64.0658, 0.3330, 0.2868
Android (android.graphics.Color)	4294950632 (0xFFFFBEE8)
Y _{UV}	214.2230, 8.7641, 35.7614
Hunter-Lab	80.0411, 25.8135, -6.9032

Details

The CIELCh color **84, 31.959, 338.505** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **95, 31.458, 154.363**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 4.981, 324.553**, and **64, 31.950, 339.021** is the 20% darker color. If you saturate the color by 10%, you get **78, 44.379, 339.283**, and if you desaturate by 10%, it is **90, 19.254, 337.569**.

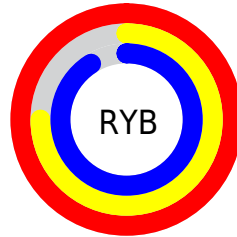
Distribution



Red (100%)

Green (75%)

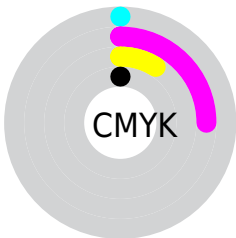
Blue (91%)



Red (100%)

Yellow (75%)

Blue (91%)

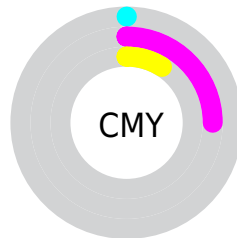


Cyan (0%)

Magenta (25%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (25%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 31.959, 338.505 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 84, 31.959, 338.505 by changing the saturation by 10% instead.


 84, 31.959,
338.505

 84, 31.959,
338.505


 100, 31.959,
338.505


 74, 31.959,
338.505

 64, 31.959,
338.505

 54, 31.959,
338.505

 44, 31.959,
338.505

 34, 31.959,
338.505

 24, 31.959,
338.505

 14, 31.959,

338.505

■ 4, 31.959, 338.505

■ 0, 31.959, 338.505

■ 84, 31.959,
338.505

■ 84, 31.959,
338.505

■ 78, 44.379,
339.283

■ 90, 19.254,
337.569

■ 73, 56.332,
340.264

■ 96, 6.698, 336.773

■ 68, 67.256,
341.365

100, 0.012,
296.813

■ 64, 76.537,
342.634

■ 60, 83.540,

344.141

■ 58, 87.788,
345.976

■ 56, 89.188,
348.247

■ 56, 89.185,
349.424

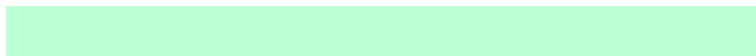
Harmonies

Complementary

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



84, 31.959, 338.505



95, 31.458, 154.363

Rectangle

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



84, 31.959, 338.505



84, 31.959, 28.505



84, 31.959, 158.505



84, 31.959, 208.505

Sweetspot

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



84, 31.897, 338.393



95, 9.943, 336.985



81, 35.434, 305.214



50, 7.075, 337.104



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 31.897, 338.393



81, 37.676, 338.793



83, 25.000, 9.792



50, 7.075, 337.104



42, 72.072, 348.929



11, 33.989, 345.633

Inverse Universe

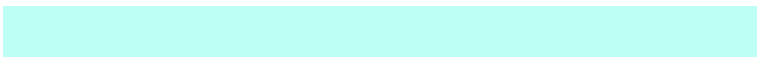
The Inverse Universe completely reimagines the original color for something new.



84, 31.897, 338.393



81, 37.676, 338.793



96, 22.127, 184.945



50, 7.075, 337.104



42, 72.072, 348.929



11, 33.989, 345.633

Previews

White Background



This preview shows how the CIELCh color 84, 31.959, 338.505 looks on a white background.

Color Contrast Check

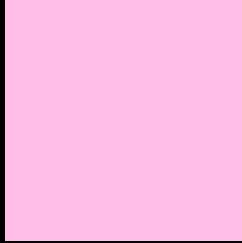
Large Text (above 18pt) WCAG AA × Fail

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 84, 31.959, 338.505 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 84, 31.959, 338.505

Background



This preview shows how black text looks on a background with the CIELCh color 84, 31.959, 338.505.



This preview shows how white text looks on a background with the CIELCh color 84, 31.959, 338.505.

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
84, 31.959, 338.505

Protanopia
84, 19.030, 286.748

Deuteranopia
84, 15.044, 314.716

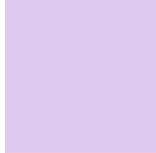


Tritanopia
84, 22.940, 1.332

Trichromacy



Original Color
84, 31.959, 338.505



Protanomaly
84, 21.323, 310.692



Deuteranomaly
84, 20.809, 326.872

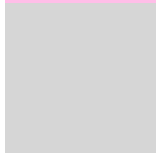


Tritanomaly
84, 25.310, 351.778

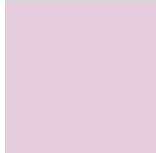
Monochromacy



Original Color
84, 31.959, 338.505



Achromatopsia
86, 0.010, 296.813



Achromatomaly
85, 12.118, 336.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 31.959, 338.505 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, 190, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 232)  
}
```

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, 190, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 31.959, 338.505 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, 190, 232) }
```

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

```
.border{ border-color:rgb(255, 190, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 190, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 31.959, 338.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 190, 232) }
```

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

```
.background{ background-color: rgb(255,  
190, 232) }
```

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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