

Converting Colors

CIELCh(87, 23.989, 342.778)

Have a look what the booklet for
CIELCh(87, 23.989, 342.778)
contains.

CIELCh(87, 24.040, 342.361)	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(87, 24.040, 342.361)

Conversions

Conversions Part 1

Format	Color
Hex	FFCBE8
RGB	255, 203, 232
RGB Percent	100%, 80%, 91%
CMY	0.0000, 0.2028, 0.0890
CMYK	0.00, 0.20, 0.09, 0.00
HSL	326°, 100%, 90%
HSV	326°, 20%, 100%
XYZ	77.3804, 70.0064, 85.9953
YIQ	221.8540, 21.6830, 20.0430

Conversions

Conversions Part 2

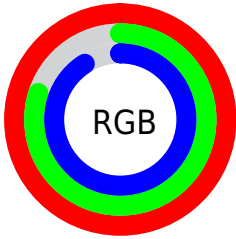
Format	Color
RYB	255, 203, 232
Decimal	16763880
CIELab	87.00, 22.91, -7.28
CIELCh	87, 24.040, 342.361
Yxy	70.0064, 0.3316, 0.3000
Android (android.graphics.Color)	4294953960 (0xFFFFCBE8)
YUV	221.8540, 5.0020, 29.0690
Hunter-Lab	83.6698, 18.6601, -2.3690

Details

The CIELCh color **87, 24.040, 342.361** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **96, 23.506, 158.798**, and the grayscale version is **88, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 23.708, 343.089** is the 20% darker color. If you saturate the color by 10%, you get **81, 35.905, 343.164**, and if you desaturate by 10%, it is **93, 12.036, 341.294**.

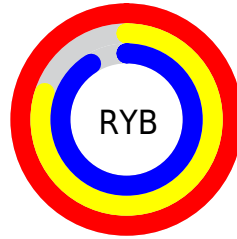
Distribution



Red (100%)

Green (80%)

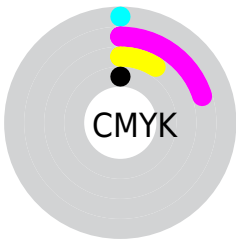
Blue (91%)



Red (100%)

Yellow (80%)

Blue (91%)

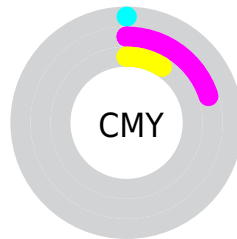


Cyan (0%)

Magenta (20%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 24.040, 342.361 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 87, 24.040, 342.361 by changing the saturation by 10% instead.


 87, 24.040,
342.361


 87, 24.040,
342.361


 100, 24.040,
342.361


 77, 24.040,
342.361

 67, 24.040,
342.361

 57, 24.040,
342.361

 47, 24.040,
342.361

 37, 24.040,
342.361

 27, 24.040,
342.361

 17, 24.040,

342.361

■ 7, 24.040, 342.361

■ 0, 24.040, 342.361

■ 87, 24.040,
342.361

■ 87, 24.040,
342.361

■ 81, 35.905,
343.164

■ 93, 12.036,
341.294

■ 75, 47.609,
344.258

100, 0.330,
339.134

■ 70, 58.655,
345.514

100, 0.012,
296.813

■ 65, 68.503,
346.992

■ 61, 76.529,

348.780

■ 58, 82.165,
351.001

■ 56, 85.116,
353.799

■ 55, 85.812,
357.140

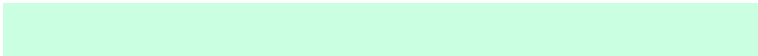
Harmonies

Complementary

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



87, 24.040, 342.361



96, 23.506, 158.798

Rectangle

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



87, 24.040, 342.361



87, 24.040, 32.361



87, 24.040, 162.361



87, 24.040, 212.361

Sweetspot

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



87, 23.954, 342.188



96, 6.995, 340.917



85, 28.391, 307.752



51, 4.643, 340.976



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 23.954, 342.188



85, 28.411, 342.539



86, 19.505, 15.645



50, 6.653, 341.227



41, 69.290, 356.446



11, 32.572, 351.809

Inverse Universe

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



87, 23.954, 342.188



85, 28.411, 342.539



97, 17.338, 192.473



50, 6.653, 341.227



41, 69.290, 356.446



11, 32.572, 351.809

Previews

White Background



This preview shows how the CIELCh color 87, 24.040, 342.361 looks on a white background.

Color Contrast Check

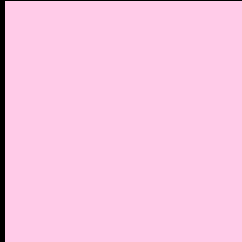
Large Text (above 18pt) WCAG AA × Fail

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 87, 24.040, 342.361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

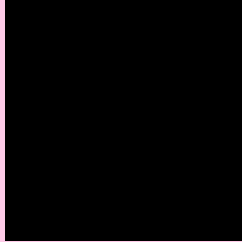
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 24.040, 342.361

Background



This preview shows how black text looks on a background with the CIELCh color 87, 24.040, 342.361.



This preview shows how white text looks on a background with the CIELCh color 87, 24.040, 342.361.

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

87, 24.040, 342.361

Protanopia

87, 12.573, 288.100

Deuteranopia

87, 12.715, 328.936



Tritanopia
87, 19.776, 356.091

Trichromacy



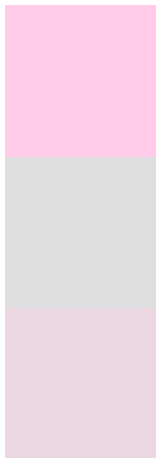
Original Color
87, 24.040, 342.361

Protanomaly
87, 15.086, 315.936

Deuteranomaly
87, 16.530, 336.624

Tritanomaly
87, 21.214, 350.070

Monochromacy



Original Color
87, 24.040, 342.361

Achromatopsia
88, 0.011, 296.813

Achromatomaly
88, 8.961, 340.210

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 24.040, 342.361 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, 203, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 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, 203, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 24.040, 342.361 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, 203, 232) }
```

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

```
.border{ border-color:rgb(255, 203, 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, 203, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 24.040, 342.361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 232) }
```

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

```
.background{ background-color: rgb(255,  
203, 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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