

Converting Colors

CIELCh(87, 23.438, 341.999)

Have a look what the booklet for
CIELCh(87, 23.438, 341.999)
contains.

CIELCh(87, 23.157, 342.176)	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, 23.157, 342.176)

Conversions

Conversions Part 1

Format	Color
Hex	FECCE8
RGB	254, 204, 232
RGB Percent	100%, 80%, 91%
CMY	0.0043, 0.2004, 0.0906
CMYK	0.00, 0.20, 0.09, 0.00
HSL	326°, 96%, 90%
HSV	326°, 20%, 100%
XYZ	76.9515, 70.0064, 85.7216
YIQ	222.1420, 20.8120, 19.3080

Conversions

Conversions Part 2

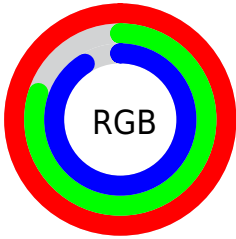
Format	Color
RYB	254, 204, 232
Decimal	16698600
CIELab	87.00, 22.05, -7.09
CIELCh	87, 23.157, 342.176
Yxy	70.0064, 0.3307, 0.3009
Android (android.graphics.Color)	4294888680 (0xFFFECCCE8)
YUV	222.1420, 4.8600, 27.9395
Hunter-Lab	83.6698, 17.7450, -2.1751

Details

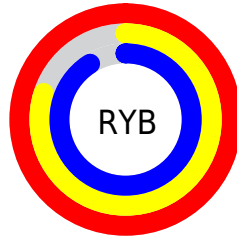
The CIELCh color **87, 23.157, 342.176** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **96, 22.731, 158.898**, and the grayscale version is **88, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 22.784, 342.890** is the 20% darker color. If you saturate the color by 10%, you get **81, 35.062, 343.149**, and if you desaturate by 10%, it is **93, 11.294, 341.287**.

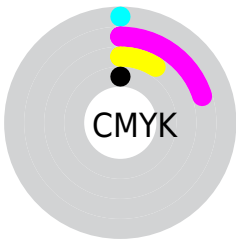
Distribution



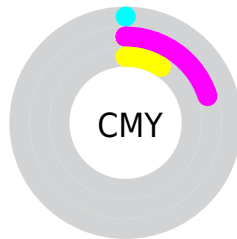
- Red (100%)
- Green (80%)
- Blue (91%)



- 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, 23.157, 342.176 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, 23.157, 342.176 by changing the saturation by 10% instead.


 87, 23.157,
342.176


 87, 23.157,
342.176


 100, 23.157,
342.176


 77, 23.157,
342.176

 67, 23.157,
342.176

 57, 23.157,
342.176

 47, 23.157,
342.176

 37, 23.157,
342.176

 27, 23.157,
342.176

 17, 23.157,

342.176

■ 7, 23.157, 342.176

■ 0, 23.157, 342.176

■ 87, 23.157,
342.176

■ 87, 23.157,
342.176

■ 81, 35.062,
343.149

■ 93, 11.294,
341.287

■ 75, 46.744,
344.237

100, 0.349,
161.855

■ 70, 57.801,
345.483

100, 0.385,
201.103

■ 65, 67.700,
346.948

■ 61, 75.823,

348.719

■ 58, 81.596,
350.915

■ 56, 84.702,
353.681

■ 55, 85.493,
357.101

■ 55, 85.508,
357.212

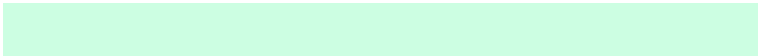
Harmonies

Complementary

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



87, 23.157, 342.176



96, 22.731, 158.898

Rectangle

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



87, 23.157, 342.176



87, 23.157, 32.176



87, 23.157, 162.176



87, 23.157, 212.176

Sweetspot

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



87, 23.154, 342.178



96, 6.991, 340.960



85, 27.446, 307.718



51, 4.640, 341.019



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, 23.154, 342.178



85, 28.394, 342.585



86, 18.834, 15.579



50, 6.649, 341.271



41, 69.269, 356.525



11, 32.560, 351.875

Inverse Universe

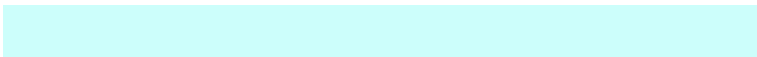
The Inverse Universe completely reimagines the original color for something new.



87, 23.154, 342.178



85, 28.394, 342.585



96, 16.804, 192.515



50, 6.649, 341.271



41, 69.269, 356.525



11, 32.560, 351.875

Previews

White Background



This preview shows how the CIELCh color 87, 23.157, 342.176 looks on a white background.

Color Contrast Check

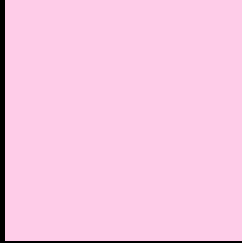
Large Text (above 18pt) WCAG AA × Fail

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, 23.157, 342.176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

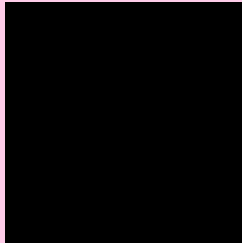
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 23.157, 342.176

Background



This preview shows how black text looks on a background with the CIELCh color 87, 23.157, 342.176.



This preview shows how white text looks on a background with the CIELCh color 87, 23.157, 342.176.

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, 23.157, 342.176

Protanopia
87, 12.042, 289.545

Deuteranopia
87, 12.314, 330.452



Tritanopia
87, 19.089, 355.067

Trichromacy



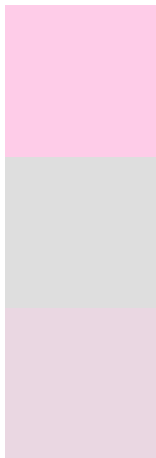
Original Color
87, 23.157, 342.176

Protanomaly
87, 14.615, 316.796

Deuteranomaly
87, 16.275, 335.706

Tritanomaly
87, 20.573, 348.928

Monochromacy



Original Color
87, 23.157, 342.176

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, 23.157, 342.176 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(254, 204, 232)` looks like.

```
.text, #text, p{  
    color:rgb(254, 204, 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(254, 204, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 204, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 23.157, 342.176 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(254, 204, 232) }
```

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

```
.border{ border-color:rgb(254, 204, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 204, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 204, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 204, 232);  
box-shadow:4px 4px 4px 4px rgb(254, 204,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 23.157, 342.176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 204, 232) }
```

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

```
.background{ background-color: rgb(254,  
204, 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](#).

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