

Converting Colors

CIELCh(100, 66.367, 7.318)

Have a look what the booklet for
CIELCh(100, 66.367, 7.318) contains.

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Color

CIELCh(87, 28.320, 334.121)

Conversions

Conversions Part 1

Format	Color
Hex	FFCAF2
RGB	255, 202, 242
RGB Percent	100%, 79%, 95%
CMY	0.0000, 0.2084, 0.0514
CMYK	0.00, 0.21, 0.05, 0.00
HSL	315°, 100%, 90%
HSV	315°, 21%, 100%
XYZ	78.6654, 70.0064, 93.2756
YIQ	222.4070, 18.7480, 23.6760

Conversions

Conversions Part 2

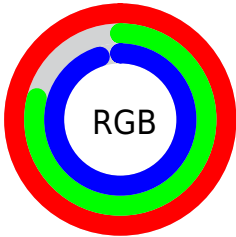
Format	Color
RYB	255, 202, 242
Decimal	16763634
CIELab	87.00, 25.48, -12.36
CIElCh	87, 28.320, 334.121
Yxy	70.0064, 0.3251, 0.2893
Android (android.graphics.Color)	4294953714 (0xFFFFCAF2)
YUV	222.4070, 9.6593, 28.5841
Hunter-Lab	83.6698, 21.4015, -7.5280

Details

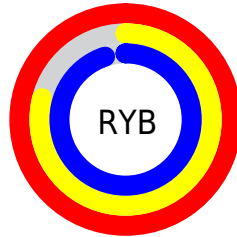
The CIELCh color **87, 28.320, 334.121** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **96, 27.944, 150.693**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 27.888, 333.633** is the 20% darker color. If you saturate the color by 10%, you get **81, 41.582, 334.341**, and if you desaturate by 10%, it is **93, 14.549, 332.908**.

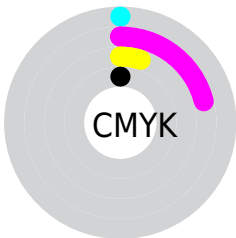
Distribution



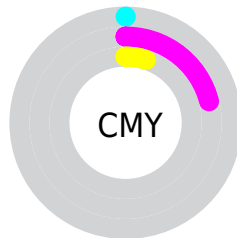
- Red (100%)
- Green (79%)
- Blue (95%)



- Red (100%)
- Yellow (79%)
- Blue (95%)



- Cyan (0%)
- Magenta (21%)
- Yellow (5%)
- Black (0%)





- Cyan (0%)
- Magenta (21%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 28.320, 334.121 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, 28.320, 334.121 by changing the saturation by 10% instead.


 87, 28.320,
334.121


 87, 28.320,
334.121


 100, 28.320,
334.121


 77, 28.320,
334.121

 67, 28.320,
334.121

 57, 28.320,
334.121

 47, 28.320,
334.121

 37, 28.320,
334.121

 27, 28.320,
334.121

 17, 28.320,

334.121

■ 7, 28.320, 334.121

■ 0, 28.320, 334.121

■ 87, 28.320,
334.121

■ 87, 28.320,
334.121

■ 81, 41.582,
334.341

■ 93, 14.549,
332.908

■ 75, 54.638,
335.108

99, 1.125, 331.934

■ 70, 66.811,
335.921

100, 0.012,
296.813

■ 66, 77.516,
336.795

■ 62, 86.107,

337.758

■ 60, 92.010,
338.849

■ 58, 94.928,
340.123

■ 57, 95.333,
341.479

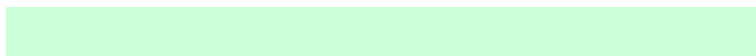
Harmonies

Complementary

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



87, 28.320, 334.121



96, 27.944, 150.693

Rectangle

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



87, 28.320, 334.121



87, 28.320, 24.121



87, 28.320, 154.121



87, 28.320, 204.121

Sweetspot

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



87, 28.108, 333.611



96, 8.025, 332.565



84, 28.479, 300.807



51, 5.326, 332.612



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, 28.108, 333.611



84, 33.741, 333.911



86, 20.944, 0.477



50, 7.624, 332.815



43, 77.017, 341.190



11, 36.194, 339.256

Inverse Universe

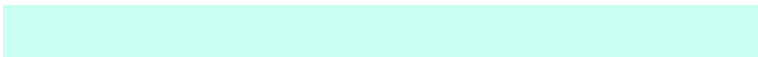
The Inverse Universe completely reimagines the original color for something new.



87, 28.108, 333.611



84, 33.741, 333.911



96, 19.553, 176.336



50, 7.624, 332.815



43, 77.017, 341.190



11, 36.194, 339.256

Previews

White Background



This preview shows how the CIELCh color 87, 28.320, 334.121 looks on a white background.

Color Contrast Check

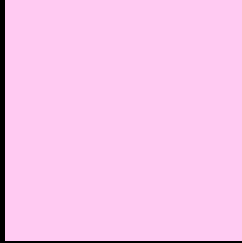
Large Text (above 18pt) WCAG AA × Fail

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, 28.320, 334.121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

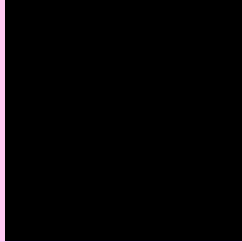
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 28.320, 334.121

Background



This preview shows how black text looks on a background with the CIELCh color 87, 28.320, 334.121.



This preview shows how white text looks on a background with the CIELCh color 87, 28.320, 334.121.

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, 28.065, 333.545

Protanopia

87, 18.356, 287.517

Deuteranopia

87, 15.902, 313.205

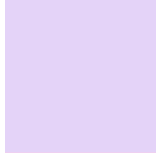


Tritanopia
87, 19.105, 355.075

Trichromacy



Original Color
87, 28.065, 333.545



Protanomaly
87, 20.349, 308.358



Deuteranomaly
87, 20.319, 322.633

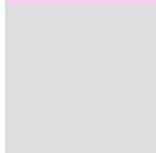


Tritanomaly
87, 21.977, 344.787

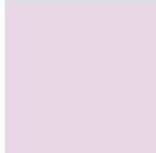
Monochromacy



Original Color
87, 28.065, 333.545



Achromatopsia
88, 0.011, 296.813



Achromatomaly
88, 10.027, 333.337

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 28.320, 334.121 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, 202, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 242)  
}
```

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, 202, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 28.320, 334.121 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, 202, 242) }
```

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

```
.border{ border-color:rgb(255, 202, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 202, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 28.320, 334.121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 242) }
```

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

```
.background{ background-color: rgb(255,  
202, 242) }
```

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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