

Converting Colors

CIELCh(90, 69.352, 307.637)

Have a look what the booklet for
CIELCh(90, 69.352, 307.637)
contains.

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Color

CIELCh(87, 32.880, 324.519)

Conversions

Conversions Part 1

Format	Color
Hex	FDCAFF
RGB	253, 202, 255
RGB Percent	99%, 79%, 100%
CMY	0.0097, 0.2096, 0.0019
CMYK	0.01, 0.21, 0.00, 0.00
HSL	298°, 98%, 89%
HSV	298°, 21%, 100%
XYZ	79.3180, 70.0064, 103.5357
YIQ	223.2910, 13.3830, 27.2950

Conversions

Conversions Part 2

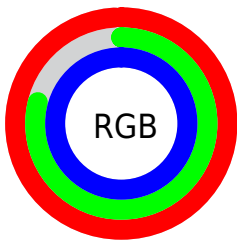
Format	Color
R_{YB}	253, 202, 255
Decimal	16632575
CIE _{Lab}	87.00, 26.77, -19.08
CIE _{LCh}	87, 32.880, 324.519
Yxy	70.0064, 0.3137, 0.2769
Android (android.graphics.Color)	4294822655 (0xFFFDCAFF)
YUV	223.2910, 15.6325, 26.0548
Hunter-Lab	83.6698, 22.7936, -14.7984

Details

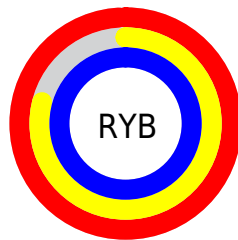
The CIELCh color **87, 32.880, 324.519** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **95, 32.809, 142.145**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 32.520, 324.669** is the 20% darker color. If you saturate the color by 10%, you get **81, 48.617, 325.035**, and if you desaturate by 10%, it is **93, 17.014, 323.984**.

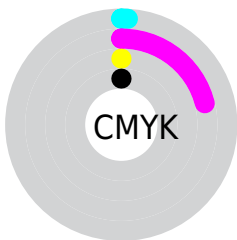
Distribution



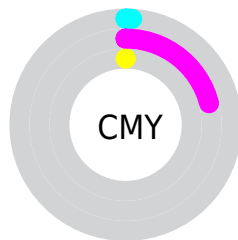
- Red (99%)
- Green (79%)
- Blue (100%)



- Red (99%)
- Yellow (79%)
- Blue (100%)



- Cyan (1%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)





- Cyan (1%)
- Magenta (21%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 32.880, 324.519 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, 32.880, 324.519 by changing the saturation by 10% instead.


 87, 32.880,
324.519


 87, 32.880,
324.519


 100, 32.880,
324.519


 77, 32.880,
324.519

 67, 32.880,
324.519

 57, 32.880,
324.519

 47, 32.880,
324.519

 37, 32.880,
324.519

 27, 32.880,
324.519

 17, 32.880,

324.519

■ 7, 32.880, 324.519

■ 0, 32.880, 324.519

■ 87, 32.880,
324.519

■ 87, 32.880,
324.519

■ 81, 48.617,
325.035

■ 93, 17.014,
323.984

■ 76, 63.868,
325.520

■ 99, 1.281, 323.241

■ 71, 78.138,
325.954

100, 0.231,
109.826

■ 67, 90.826,
326.315

■ 63, 101.291,

326.582

■ 61, 108.986,
326.738

■ 59, 113.649,
326.775

■ 59, 115.622,
326.717

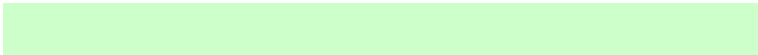
Harmonies

Complementary

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



87, 32.880, 324.519



95, 32.809, 142.145

Rectangle

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



87, 32.880, 324.519



87, 32.880, 14.519



87, 32.880, 144.519



87, 32.880, 194.519

Sweetspot

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



87, 32.877, 324.519



96, 9.426, 323.715



83, 26.608, 290.580



51, 6.255, 323.753



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, 32.877, 324.519



85, 39.559, 324.738



86, 24.383, 342.799



50, 8.951, 323.912



44, 93.255, 326.743



12, 42.891, 326.921

Inverse Universe

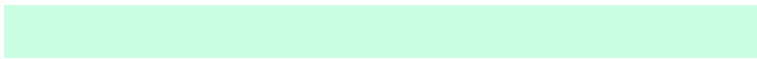
The Inverse Universe completely reimagines the original color for something new.



86, 20.032, 17.971



83, 24.463, 18.441



96, 23.889, 159.272



49, 5.255, 16.885



40, 82.595, 38.549



10, 33.059, 25.663

Previews

White Background



This preview shows how the CIELCh color 87, 32.880, 324.519 looks on a white background.

Color Contrast Check

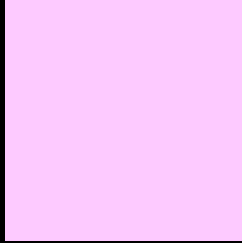
Large Text (above 18pt) WCAG AA × Fail

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, 32.880, 324.519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

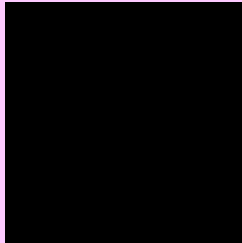
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 32.880, 324.519

Background



This preview shows how black text looks on a background with the CIELCh color 87, 32.880, 324.519.

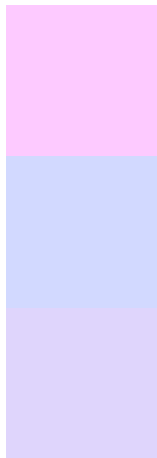


This preview shows how white text looks on a background with the CIELCh color 87, 32.880, 324.519.

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, 32.880, 324.519

Protanopia

87, 19.973, 285.158

Deuteranopia

87, 20.786, 301.200



Tritanopia
87, 17.109, 351.582

Trichromacy



Original Color
87, 32.880, 324.519



Protanomaly
87, 23.645, 303.539



Deuteranomaly
87, 24.704, 312.176

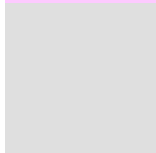


Tritanomaly
87, 22.119, 337.956

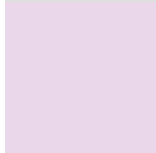
Monochromacy



Original Color
87, 32.880, 324.519



Achromatopsia
89, 0.011, 296.813



Achromatomaly
88, 12.054, 324.864

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 32.880, 324.519 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(253, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(253, 202, 255)  
}
```

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(253, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 202, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 32.880, 324.519 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(253, 202, 255) }
```

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

```
.border{ border-color:rgb(253, 202, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(253, 202,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 32.880, 324.519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 202, 255) }
```

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

```
.background{ background-color: rgb(253,  
202, 255) }
```

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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