

Converting Colors

CIELCh(70, 68.426, 328.188)

Have a look what the booklet for
CIELCh(70, 68.426, 328.188)
contains.

CIELCh(70, 68.417, 327.948)	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(70, 68.417, 327.948)

Conversions

Conversions Part 1

Format	Color
Hex	F281EE
RGB	242, 129, 238
RGB Percent	95%, 51%, 93%
CMY	0.0510, 0.4941, 0.0667
CMYK	0.00, 0.47, 0.02, 0.05
HSL	302°, 81%, 73%
HSV	302°, 47%, 95%
XYZ	59.8992, 40.7494, 85.5957
YIQ	175.2130, 32.3590, 57.8550

Conversions

Conversions Part 2

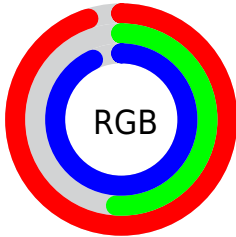
Format	Color
R _Y B	242, 129, 238
Decimal	15892974
CIE Lab	70.00, 57.99, -36.31
CIE LCh	70, 68.417, 327.948
Yxy	40.7494, 0.3216, 0.2188
Android (android.graphics.Color)	4294083054 (0xFFFF281EE)
YUV	175.2130, 30.9540, 58.5722
Hunter-Lab	63.8353, 55.7820, -34.8164

Details

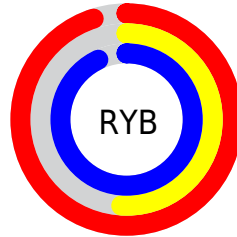
The CIELCh color **70, 68.417, 327.948** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **87, 68.736, 141.581**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **84, 43.869, 325.944**, and **50, 68.635, 327.968** is the 20% darker color. If you saturate the color by 10%, you get **66, 80.952, 328.418**, and if you desaturate by 10%, it is **75, 54.562, 327.433**.

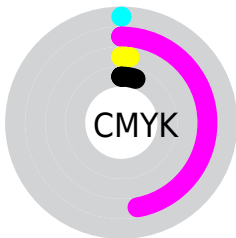
Distribution



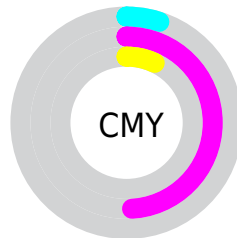
- Red (95%)
- Green (51%)
- Blue (93%)



- Red (95%)
- Yellow (51%)
- Blue (93%)



- Cyan (0%)
- Magenta (47%)
- Yellow (2%)
- Black (5%)





- Cyan (5%)
- Magenta (49%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 68.417, 327.948 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 70, 68.417, 327.948 by changing the saturation by 10% instead.


 70, 68.417,
327.948

 70, 68.417,
327.948


 100, 68.417,
327.948

 60, 68.417,
327.948


 90, 68.417,
327.948

 50, 68.417,
327.948

 40, 68.417,
327.948

 30, 68.417,
327.948

 20, 68.417,
327.948

 10, 68.417,
327.948

 0, 68.417, 327.948

70, 68.417,
327.948

70, 68.417,
327.948

66, 80.952,
328.418

75, 54.562,
327.433

62, 91.572,
328.829

80, 39.934,
326.888

60, 99.714,
329.172

86, 24.962,
326.324

58, 105.021,
329.445

91, 9.959, 325.743

98, 4.862, 145.282

57, 107.519,
329.654

99, 7.606, 146.643

57, 107.988,
329.716

99, 7.260, 148.694

99, 6.924, 150.943

99, 6.599, 153.414

Harmonies

Complementary

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



70, 68.417, 327.948



87, 68.736, 141.581

Rectangle

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



70, 68.417, 327.948



70, 68.417, 17.948



70, 68.417, 147.948



70, 68.417, 197.948

Sweetspot

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



70, 68.414, 327.948



91, 21.822, 326.172



59, 63.877, 297.762



47, 15.077, 326.296



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 68.414, 327.948



69, 83.570, 328.394



68, 49.924, 350.657



47, 8.404, 325.908



43, 87.829, 329.690



10, 38.489, 329.480

Inverse Universe

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



70, 68.414, 327.948



69, 83.570, 328.394



88, 46.836, 160.547



47, 8.404, 325.908



43, 87.829, 329.690



10, 38.489, 329.480

Previews

White Background



This preview shows how the CIELCh color 70, 68.417, 327.948 looks on a white background.

Color Contrast Check

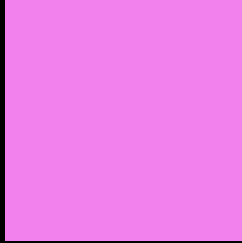
Large Text (above 18pt) WCAG AA × Fail

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 70, 68.417, 327.948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

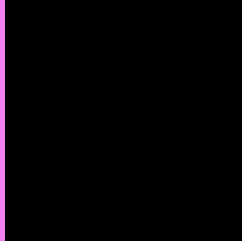
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 68.417, 327.948

Background



This preview shows how black text looks on a background with the CIELCh color 70, 68.417, 327.948.



This preview shows how white text looks on a background with the CIELCh color 70, 68.417, 327.948.

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





Tritanopia
70, 34.290, 13.026

Trichromacy



Original Color
70, 68.417, 327.948



Protanomaly
69, 52.857, 303.051



Deuteranomaly
69, 45.397, 307.899



Tritanomaly
70, 43.331, 348.376

Monochromacy



Original Color
70, 68.417, 327.948



Achromatopsia
71, 0.009, 296.813



Achromatomaly
70, 26.502, 326.223

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 68.417, 327.948 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(242, 129, 238)` looks like.

```
.text, #text, p{  
    color:rgb(242, 129, 238)  
}
```

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(242, 129, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 129, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 68.417, 327.948 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(242, 129, 238) }
```

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

```
.border{ border-color:rgb(242, 129, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 129, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 129, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 129, 238);  
box-shadow:4px 4px 4px 4px rgb(242, 129,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 68.417, 327.948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 129, 238) }
```

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

```
.background{ background-color: rgb(242,  
129, 238) }
```

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