

Converting Colors

CIELCh(90, 98.331, 0.001)

Have a look what the booklet for
CIELCh(90, 98.331, 0.001) contains.

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Color

CIELCh(71, 69.456, 333.666)

Conversions

Conversions Part 1

Format	Color
Hex	FF7EE7
RGB	255, 126, 231
RGB Percent	100%, 49%, 91%
CMY	0.0000, 0.5056, 0.0938
CMYK	0.00, 0.51, 0.09, 0.00
HSL	311°, 100%, 75%
HSV	311°, 51%, 100%
XYZ	63.5641, 42.1875, 80.4533
YIQ	176.5410, 43.1790, 60.0030

Conversions

Conversions Part 2

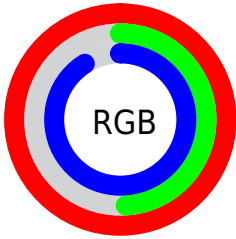
Format	Color
R _Y B	255, 126, 231
Decimal	16744167
CIE Lab	71.00, 62.25, -30.81
CIE LCh	71, 69.456, 333.666
Yxy	42.1875, 0.3414, 0.2266
Android (android.graphics.Color)	4294934247 (0xFFFF7EE7)
YUV	176.5410, 26.8483, 68.8085
Hunter-Lab	64.9519, 61.0203, -27.9738

Details

The CIELCh color **71, 69.456, 333.666** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **91, 69.550, 145.444**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **83, 45.110, 325.986**, and **51, 69.074, 333.510** is the 20% darker color. If you saturate the color by 10%, you get **67, 80.446, 334.091**, and if you desaturate by 10%, it is **76, 56.591, 332.666**.

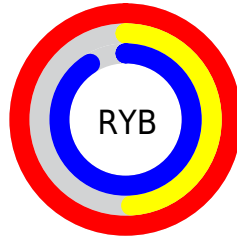
Distribution



Red (100%)

Green (49%)

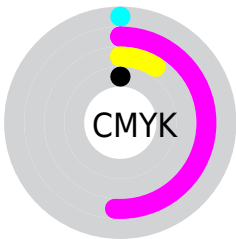
Blue (91%)



Red (100%)

Yellow (49%)

Blue (91%)

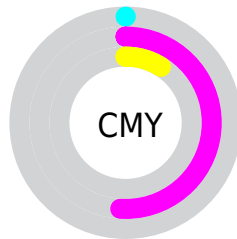


Cyan (0%)

Magenta (51%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (51%)

Yellow (9%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 69.456, 333.666 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 71, 69.456, 333.666 by changing the saturation by 10% instead.


 71, 69.456,
333.666

 71, 69.456,
333.666

 100, 69.456,
333.666

 61, 69.456,
333.666

 91, 69.456,
333.666

 51, 69.456,
333.666

 41, 69.456,
333.666

 31, 69.456,
333.666

 21, 69.456,
333.666

 11, 69.456,
333.666

 1, 69.456, 333.666

71, 69.456,
333.666

71, 69.456,
333.666

67, 80.446,
334.091

76, 56.591,
332.666

63, 89.469,
334.847

81, 42.993,
331.982

60, 95.773,
335.658

87, 28.951,
331.314

59, 99.066,
336.556

93, 14.806,
330.659

58, 99.763,
337.505

100, 0.791,
329.601

100, 0.012,
296.813

Harmonies

Complementary

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



71, 69.456, 333.666



91, 69.550, 145.444

Rectangle

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



71, 69.456, 333.666



71, 69.456, 23.666



71, 69.456, 153.666



71, 69.456, 203.666

Sweetspot

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



71, 69.272, 333.367



91, 21.078, 330.949



60, 72.731, 302.425



47, 14.393, 331.087



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 69.272, 333.367



66, 80.890, 334.123



69, 53.117, 1.688



50, 7.964, 330.589



44, 80.548, 337.313



11, 37.689, 336.021

Inverse Universe

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



71, 69.272, 333.367



66, 80.890, 334.123



92, 46.068, 169.224



50, 7.964, 330.589



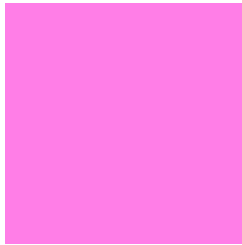
44, 80.548, 337.313



11, 37.689, 336.021

Previews

White Background



This preview shows how the CIELCh color 71, 69.456, 333.666 looks on a white background.

Color Contrast Check

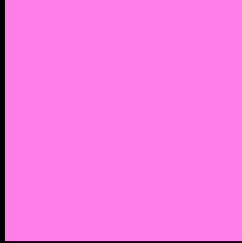
Large Text (above 18pt) WCAG AA × Fail

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 71, 69.456, 333.666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

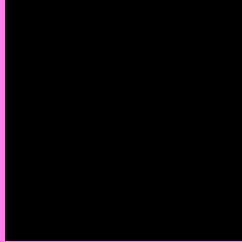
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 69.456, 333.666

Background



This preview shows how black text looks on a background with the CIELCh color 71, 69.456, 333.666.



This preview shows how white text looks on a background with the CIELCh color 71, 69.456, 333.666.

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
71, 41.225, 16.289

Trichromacy



Original Color
71, 69.277, 333.390



Protanomaly
70, 50.937, 305.411



Deuteranomaly
70, 41.505, 313.606



Tritanomaly
70, 47.834, 354.629

Monochromacy



Original Color
71, 69.277, 333.390



Achromatopsia
72, 0.009, 296.813



Achromatomaly
70, 27.338, 330.913

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 69.456, 333.666 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, 126, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 126, 231)  
}
```

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, 126, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 126, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 69.456, 333.666 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, 126, 231) }
```

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

```
.border{ border-color:rgb(255, 126, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 126, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 126, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 126, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 126,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 69.456, 333.666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 126, 231) }
```

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

```
.background{ background-color: rgb(255,  
126, 231) }
```

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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