

Converting Colors

CIELCh(72, 69.170, 331.590)

Have a look what the booklet for
CIELCh(72, 69.170, 331.590)
contains.

CIELCh(72, 69.133, 331.420)	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(72, 69.133, 331.420)

Conversions

Conversions Part 1

Format	Color
Hex	FF83EE
RGB	255, 131, 238
RGB Percent	100%, 51%, 93%
CMY	0.0000, 0.4863, 0.0667
CMYK	0.00, 0.49, 0.07, 0.00
HSL	308°, 100%, 76%
HSV	308°, 49%, 100%
XYZ	64.7805, 43.6590, 85.8915
YIQ	180.2740, 39.5570, 59.5650

Conversions

Conversions Part 2

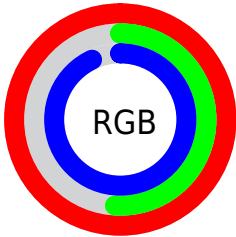
Format	Color
R_{YB}	255, 131, 238
Decimal	16745454
CIE _{Lab}	72.00, 60.71, -33.07
CIE _{LCh}	72, 69.133, 331.420
Yxy	43.6590, 0.3334, 0.2247
Android (android.graphics.Color)	4294935534 (0xFFFF83EE)
YUV	180.2740, 28.4589, 65.5347
Hunter-Lab	66.0750, 59.3717, -30.8192

Details

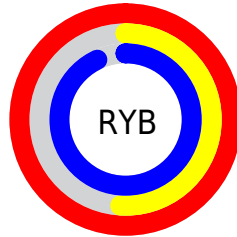
The CIELCh color **72, 69.133, 331.420** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **91, 69.459, 144.191**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **84, 42.003, 325.881**, and **52, 69.345, 331.371** is the 20% darker color. If you saturate the color by 10%, you get **68, 81.013, 332.043**, and if you desaturate by 10%, it is **77, 55.822, 330.793**.

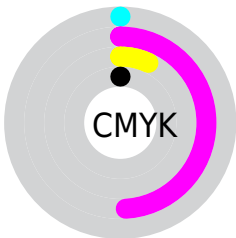
Distribution



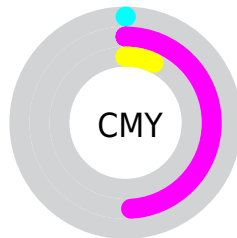
- Red (100%)
- Green (51%)
- Blue (93%)



- Red (100%)
- Yellow (51%)
- Blue (93%)



- Cyan (0%)
- Magenta (49%)
- Yellow (7%)
- Black (0%)





- Cyan (0%)
- Magenta (49%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 69.133, 331.420 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 72, 69.133, 331.420 by changing the saturation by 10% instead.


 72, 69.133,
331.420


 72, 69.133,
331.420


 100, 69.133,
331.420


 62, 69.133,
331.420


 92, 69.133,
331.420

 52, 69.133,
331.420

 42, 69.133,
331.420

 32, 69.133,
331.420

 22, 69.133,
331.420

 12, 69.133,
331.420

 2, 69.133, 331.420

■ 0, 69.133, 331.420

■ 72, 69.133,
331.420

■ 72, 69.133,
331.420

■ 68, 81.013,
332.043

■ 77, 55.822,
330.793

■ 64, 90.830,
332.661

■ 83, 41.664,
330.165

■ 61, 97.995,
333.283

■ 88, 27.112,
329.539

■ 59, 102.160,
333.927

■ 95, 12.497,
328.914

■ 59, 103.500,
334.615

■ 100, 0.012,
276.626

■ 58, 103.584,
334.711

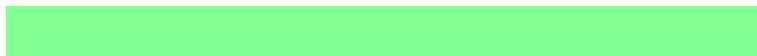
Harmonies

Complementary

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



72, 69.133, 331.420



91, 69.459, 144.191

Rectangle

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



72, 69.133, 331.420



72, 69.133, 21.420



72, 69.133, 151.420



72, 69.133, 201.420

Sweetspot

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



72, 69.130, 331.420



91, 21.805, 329.313



61, 69.689, 300.792



47, 14.889, 329.444



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 69.130, 331.420



68, 80.325, 332.004



70, 51.900, 357.705



50, 8.241, 328.969



44, 83.588, 334.583



12, 38.951, 333.716

Inverse Universe

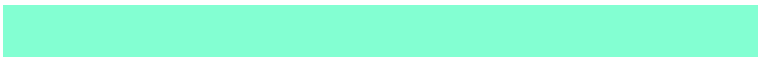
The Inverse Universe completely reimagines the original color for something new.



72, 69.130, 331.420



68, 80.325, 332.004



92, 46.492, 166.160



50, 8.241, 328.969



44, 83.588, 334.583



12, 38.951, 333.716

Previews

White Background



This preview shows how the CIELCh color 72, 69.133, 331.420 looks on a white background.

Color Contrast Check

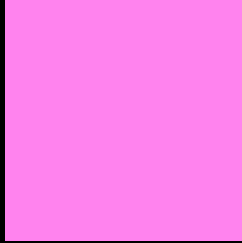
Large Text (above 18pt) WCAG AA × Fail

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 72, 69.133, 331.420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

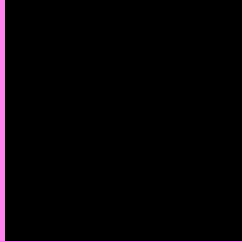
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 69.133, 331.420

Background



This preview shows how black text looks on a background with the CIELCh color 72, 69.133, 331.420.



This preview shows how white text looks on a background with the CIELCh color 72, 69.133, 331.420.

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
72, 38.976, 14.751

Trichromacy



Original Color
72, 69.133, 331.420



Protanomaly
71, 50.787, 305.377



Deuteranomaly
71, 43.710, 311.535



Tritanomaly
72, 46.321, 352.449

Monochromacy



Original Color
72, 69.133, 331.420



Achromatopsia
73, 0.009, 296.813



Achromatomaly
72, 26.801, 329.593

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 69.133, 331.420 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, 131, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 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(255, 131, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 69.133, 331.420 is called "border". The border property can be set on classes, ids or directly on the HTML element.

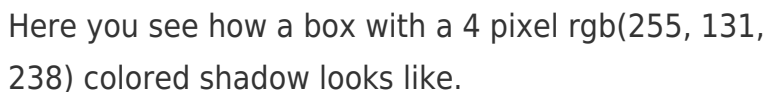
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 131, 238) }
```

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

```
.border{ border-color:rgb(255, 131, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 131, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 131, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 131, 238); box-shadow:4px 4px 4px 4px rgb(255, 131, 238) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 69.133, 331.420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 131, 238) }
```

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

```
.background{ background-color: rgb(255,  
131, 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](#).

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