

Converting Colors

CIELCh(80, 76.230, 350.218)

Have a look what the booklet for
CIELCh(80, 76.230, 350.218)
contains.

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Color

CIELCh(72, 63.330, 335.629)

Conversions

Conversions Part 1

Format	Color
Hex	FF85E1
RGB	255, 133, 225
RGB Percent	100%, 52%, 88%
CMY	0.0000, 0.4770, 0.1162
CMYK	0.00, 0.48, 0.12, 0.00
HSL	315°, 100%, 76%
HSV	315°, 48%, 100%
XYZ	63.4548, 43.6590, 76.5741
YIQ	179.9660, 43.1800, 54.4760

Conversions

Conversions Part 2

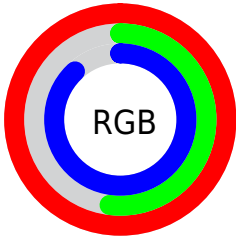
Format	Color
RYB	255, 133, 225
Decimal	16745953
CIELab	72.00, 57.69, -26.13
CIElCh	72, 63.330, 335.629
Yxy	43.6590, 0.3454, 0.2377
Android (android.graphics.Color)	4294936033 (0xFFFF85E1)
YUV	179.9660, 22.2018, 65.8048
Hunter-Lab	66.0750, 55.7904, -22.4585

Details

The CIELCh color **72, 63.330, 335.629** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **91, 63.104, 147.746**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **84, 41.380, 325.860**, and **52, 63.413, 335.471** is the 20% darker color. If you saturate the color by 10%, you get **67, 74.513, 336.368**, and if you desaturate by 10%, it is **77, 50.725, 334.731**.

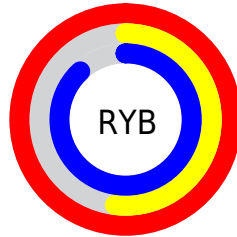
Distribution



Red (100%)

Green (52%)

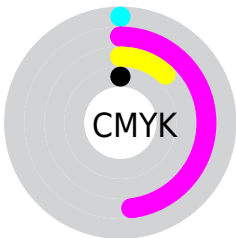
Blue (88%)



Red (100%)

Yellow (52%)

Blue (88%)

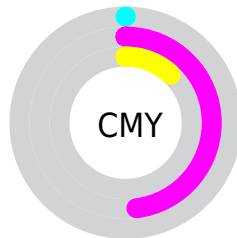


Cyan (0%)

Magenta (48%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 63.330, 335.629 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, 63.330, 335.629 by changing the saturation by 10% instead.


 72, 63.330,
335.629


 72, 63.330,
335.629


 100, 63.330,
335.629


 62, 63.330,
335.629


 92, 63.330,
335.629

 52, 63.330,
335.629

 42, 63.330,
335.629

 32, 63.330,
335.629

 22, 63.330,
335.629

 12, 63.330,
335.629

 2, 63.330, 335.629

■ 0, 63.330, 335.629

■ 72, 63.330,
335.629

■ 72, 63.330,
335.629

■ 67, 74.513,
336.368

■ 77, 50.725,
334.731

■ 63, 83.855,
337.289

■ 83, 37.467,
333.981

■ 60, 90.666,
338.320

■ 89, 23.907,
333.264

■ 58, 94.540,
339.511

■ 95, 10.340,
332.566

■ 57, 95.533,
340.914

100, 0.012,
296.813

■ 57, 95.553,
341.258

Harmonies

Complementary

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



72, 63.330, 335.629



91, 63.104, 147.746

Rectangle

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



72, 63.330, 335.629



72, 63.330, 25.629



72, 63.330, 155.629



72, 63.330, 205.629

Sweetspot

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



72, 63.257, 335.523



91, 18.871, 333.005



63, 68.376, 303.483



47, 13.043, 333.156



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, 63.257, 335.523



68, 73.777, 336.306



70, 49.603, 4.788



50, 7.642, 332.693



43, 77.192, 340.974



11, 36.270, 339.077

Inverse Universe

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



72, 63.257, 335.523



68, 73.777, 336.306



93, 42.066, 173.223



50, 7.642, 332.693



43, 77.192, 340.974



11, 36.270, 339.077

Previews

White Background



This preview shows how the CIELCh color 72, 63.330, 335.629 looks on a white background.

Color Contrast Check

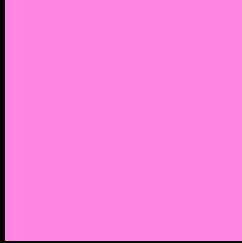
Large Text (above 18pt) WCAG AA × Fail

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, 63.330, 335.629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

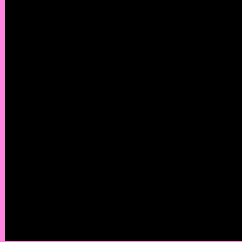
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 63.330, 335.629

Background



This preview shows how black text looks on a background with the CIELCh color 72, 63.330, 335.629.

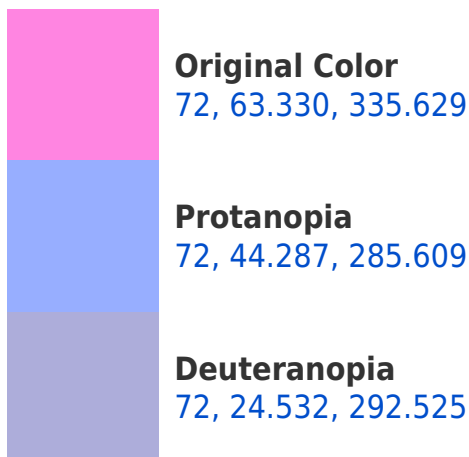


This preview shows how white text looks on a background with the CIELCh color 72, 63.330, 335.629.

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, 40.212, 15.174

Trichromacy



Original Color
72, 63.330, 335.629



Protanomaly
71, 47.598, 305.997



Deuteranomaly
71, 37.162, 317.242



Tritanomaly
72, 45.498, 356.440

Monochromacy



Original Color
72, 63.330, 335.629



Achromatopsia
73, 0.009, 296.813



Achromatomaly
72, 24.155, 333.744

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 63.330, 335.629 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, 133, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 225)  
}
```

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, 133, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 63.330, 335.629 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, 133, 225) }
```

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

```
.border{ border-color:rgb(255, 133, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 133, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 63.330, 335.629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 225) }
```

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

```
.background{ background-color: rgb(255,  
133, 225) }
```

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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