

Converting Colors

CIELCh(68, 77.765, 333.615)

Have a look what the booklet for
CIELCh(68, 77.765, 333.615)
contains.

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Color

CIELCh(68, 77.339, 333.548)

Conversions

Conversions Part 1

Format	Color
Hex	FF6DE5
RGB	255, 109, 229
RGB Percent	100%, 43%, 90%
CMY	0.0000, 0.5715, 0.1010
CMYK	0.00, 0.57, 0.10, 0.00
HSL	311°, 100%, 71%
HSV	311°, 57%, 100%
XYZ	61.0099, 37.9720, 78.4245
YIQ	166.3340, 48.4960, 68.2720

Conversions

Conversions Part 2

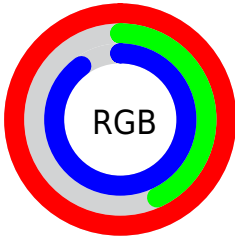
Format	Color
R_{YB}	255, 109, 229
Decimal	16739813
CIE _{Lab}	68.00, 69.24, -34.45
CIE _{LCh}	68, 77.339, 333.548
Yxy	37.9720, 0.3439, 0.2140
Android (android.graphics.Color)	4294929893 (0xFFFF6DE5)
YUV	166.3340, 30.8943, 77.7601
Hunter-Lab	61.6215, 68.8910, -32.3223

Details

The CIELCh color **68, 77.339, 333.548** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **90, 78.154, 144.290**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 54.926, 326.317**, and **48, 77.116, 333.540** is the 20% darker color. If you saturate the color by 10%, you get **64, 87.187, 334.204**, and if you desaturate by 10%, it is **73, 65.474, 332.788**.

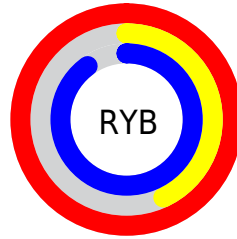
Distribution



Red (100%)

Green (43%)

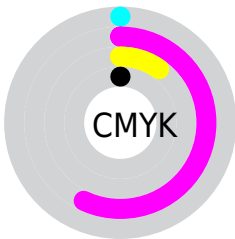
Blue (90%)



Red (100%)

Yellow (43%)

Blue (90%)

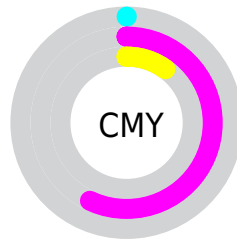


Cyan (0%)

Magenta (57%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (57%)

Yellow (10%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 77.339, 333.548 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 68, 77.339, 333.548 by changing the saturation by 10% instead.

 68, 77.339,
333.548

 68, 77.339,
333.548

 100, 77.339,
333.548

 58, 77.339,
333.548

 88, 77.339,
333.548

 48, 77.339,
333.548

 98, 77.339,
333.548

 38, 77.339,
333.548

 28, 77.339,
333.548

 18, 77.339,
333.548

 8, 77.339, 333.548

 0, 77.339, 333.548

68, 77.339,
333.548

68, 77.339,
333.548

64, 87.187,
334.204

73, 65.474,
332.788

61, 94.522,
334.961

78, 52.345,
332.106

59, 98.898,
335.782

83, 38.470,
331.437

58, 100.334,
336.699

89, 24.276,
330.782

58, 100.440,
336.974

95, 10.067,
330.130

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.



68, 77.339, 333.548



90, 78.154, 144.290

Rectangle

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



68, 77.339, 333.548



68, 77.339, 23.548



68, 77.339, 153.548



68, 77.339, 203.548

Sweetspot

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



68, 77.300, 333.485



89, 24.057, 330.772



55, 83.004, 302.895



46, 16.102, 330.902



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 77.300, 333.485



64, 88.750, 334.341



66, 59.895, 1.939



50, 8.014, 330.285



44, 81.087, 336.795



12, 37.914, 335.585

Inverse Universe

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



68, 77.300, 333.485



64, 88.750, 334.341



91, 51.741, 167.115



50, 8.014, 330.285



44, 81.087, 336.795



12, 37.914, 335.585

Previews

White Background



This preview shows how the CIELCh color 68, 77.339, 333.548 looks on a white background.

Color Contrast Check

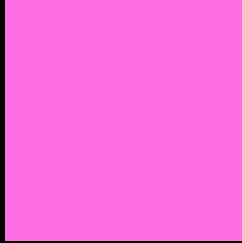
Large Text (above 18pt) WCAG AA × Fail

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 68, 77.339, 333.548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

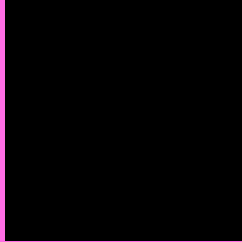
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 77.339, 333.548

Background



This preview shows how black text looks on a background with the CIELCh color 68, 77.339, 333.548.

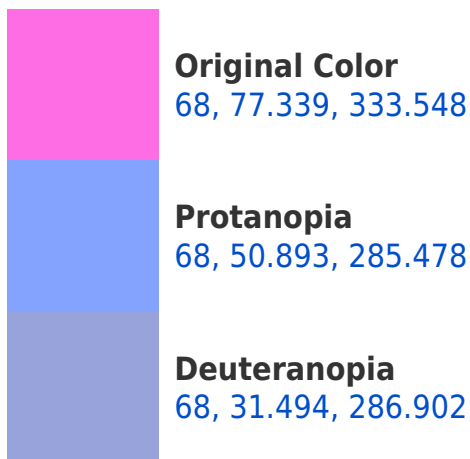


This preview shows how white text looks on a background with the CIELCh color 68, 77.339, 333.548.

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
68, 47.106, 18.170

Trichromacy



Original Color
68, 77.339, 333.548



Protanomaly
66, 58.063, 305.827



Deuteranomaly
66, 46.914, 313.282



Tritanomaly
68, 53.468, 355.963

Monochromacy



Original Color
68, 77.339, 333.548



Achromatopsia
68, 0.008, 296.813



Achromatomaly
67, 31.005, 331.135

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 77.339, 333.548 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, 109, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 109, 229)  
}
```

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, 109, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 109, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 77.339, 333.548 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, 109, 229) }
```

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

```
.border{ border-color:rgb(255, 109, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 109, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 109, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 109, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 109,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 77.339, 333.548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 109, 229) }
```

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

```
.background{ background-color: rgb(255,  
109, 229) }
```

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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