

Converting Colors

CIELCh(67, 80.453, 333.602)

Have a look what the booklet for
CIELCh(67, 80.453, 333.602)
contains.

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Color

CIELCh(67, 80.234, 333.431)

Conversions

Conversions Part 1

Format	Color
Hex	FF67E5
RGB	255, 103, 229
RGB Percent	100%, 40%, 90%
CMY	0.0000, 0.5959, 0.1018
CMYK	0.00, 0.60, 0.10, 0.00
HSL	310°, 100%, 70%
HSV	310°, 60%, 100%
XYZ	60.2528, 36.6320, 78.0472
YIQ	162.8120, 50.1460, 71.4100

Conversions

Conversions Part 2

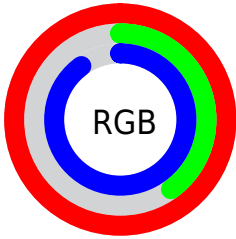
Format	Color
RYB	255, 103, 229
Decimal	16738277
CIELab	67.00, 71.76, -35.89
CIELCh	67, 80.234, 333.431
Yxy	36.6320, 0.3444, 0.2094
Android (android.graphics.Color)	4294928357 (0xFFFF67E5)
YUV	162.8120, 32.6307, 80.8489
Hunter-Lab	60.5244, 71.7816, -34.0884

Details

The CIELCh color $67, 80.234, 333.431$ is a light color, and the websafe version is hex `FF66CC`. A complement of this color would be $90, 81.384, 143.772$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $78, 58.540, 326.437$, and $47, 80.196, 333.455$ is the 20% darker color. If you saturate the color by 10%, you get $63, 89.581, 334.133$, and if you desaturate by 10%, it is $71, 68.770, 332.734$.

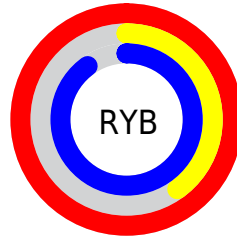
Distribution



Red (100%)

Green (40%)

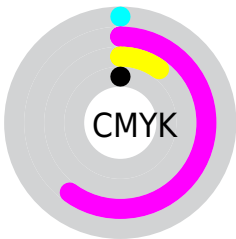
Blue (90%)



Red (100%)

Yellow (40%)

Blue (90%)

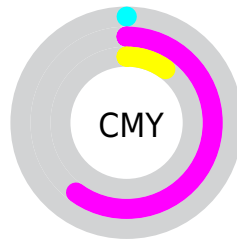


Cyan (0%)

Magenta (60%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 80.234, 333.431 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 67, 80.234, 333.431 by changing the saturation by 10% instead.


 67, 80.234,
333.431


 67, 80.234,
333.431


 100, 80.234,
333.431


 57, 80.234,
333.431


 87, 80.234,
333.431

 47, 80.234,
333.431

 97, 80.234,
333.431

 37, 80.234,
333.431

 27, 80.234,
333.431

 17, 80.234,
333.431

 7, 80.234, 333.431

 0, 80.234, 333.431

67, 80.234,
333.431

67, 80.234,
333.431

63, 89.581,
334.133

71, 68.770,
332.734

61, 96.255,
334.880

76, 55.856,
332.057

59, 99.922,
335.692

82, 42.066,
331.392

58, 100.874,
336.592

88, 27.862,
330.739

58, 100.891,
336.630

94, 13.578,
330.093

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.



67, 80.234, 333.431



90, 81.384, 143.772

Rectangle

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



67, 80.234, 333.431



67, 80.234, 23.431



67, 80.234, 153.431



67, 80.234, 203.431

Sweetspot

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



67, 80.227, 333.423



89, 25.585, 330.636



54, 86.804, 303.241



46, 17.792, 330.824



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 80.227, 333.423



63, 91.451, 334.309



64, 62.207, 2.540



50, 8.047, 330.088



44, 81.446, 336.459



12, 38.063, 335.302

Inverse Universe

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



67, 80.227, 333.423



63, 91.451, 334.309



91, 53.498, 166.739



50, 8.047, 330.088



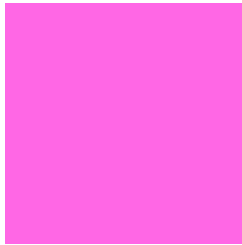
44, 81.446, 336.459



12, 38.063, 335.302

Previews

White Background



This preview shows how the CIELCh color 67, 80.234, 333.431 looks on a white background.

Color Contrast Check

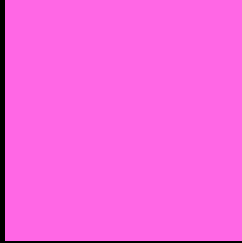
Large Text (above 18pt) WCAG AA × Fail

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 67, 80.234, 333.431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

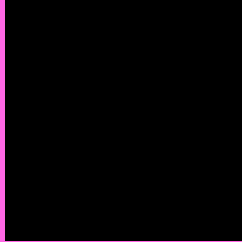
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 80.234, 333.431

Background



This preview shows how black text looks on a background with the CIELCh color 67, 80.234, 333.431.



This preview shows how white text looks on a background with the CIELCh color 67, 80.234, 333.431.

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



Original Color

67, 80.234, 333.431

Protanopia

67, 52.674, 285.871

Deuteranopia

67, 32.706, 286.229

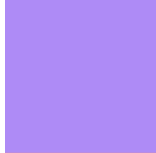


Tritanopia
67, 48.614, 19.269

Trichromacy



Original Color
67, 80.234, 333.431



Protanomaly
65, 60.440, 305.872



Deuteranomaly
65, 48.654, 313.065



Tritanomaly
67, 55.455, 356.340

Monochromacy



Original Color
67, 80.234, 333.431



Achromatopsia
67, 0.008, 296.813



Achromatomaly
65, 32.397, 331.009

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 80.234, 333.431 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, 103, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 103, 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, 103, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 103, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 80.234, 333.431 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, 103, 229) }
```

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

```
.border{ border-color:rgb(255, 103, 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, 103, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 103, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 103, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 103,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 80.234, 333.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 103, 229) }
```

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

```
.background{ background-color: rgb(255,  
103, 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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