

Converting Colors

CIELCh(67, 82.366, 332.220)

Have a look what the booklet for
CIELCh(67, 82.366, 332.220)
contains.

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Color

CIELCh(67, 82.492, 332.133)

Conversions

Conversions Part 1

Format	Color
Hex	FF66EA
RGB	255, 102, 234
RGB Percent	100%, 40%, 92%
CMY	0.0006, 0.6006, 0.0830
CMYK	0.00, 0.60, 0.08, 0.00
HSL	308°, 100%, 70%
HSV	308°, 60%, 100%
XYZ	60.7444, 36.6320, 81.5947
YIQ	162.7950, 48.8160, 73.4880

Conversions

Conversions Part 2

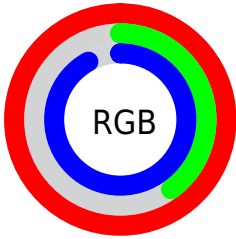
Format	Color
R _{YB}	255, 102, 234
Decimal	16738026
CIE Lab	67.00, 72.93, -38.56
CIE LCh	67, 82.492, 332.133
Yxy	36.6320, 0.3394, 0.2047
Android (android.graphics.Color)	4294928106 (0xFFFF66EA)
YUV	162.7950, 35.1041, 80.8638
Hunter-Lab	60.5244, 73.2312, -37.5636

Details

The CIELCh color **67, 82.492, 332.133** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **90, 83.800, 142.713**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 59.138, 326.457**, and **47, 82.531, 332.085** is the 20% darker color. If you saturate the color by 10%, you get **63, 91.960, 332.752**, and if you desaturate by 10%, it is **71, 70.863, 331.511**.

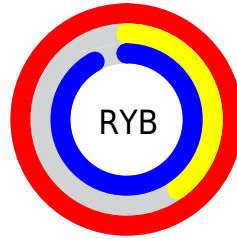
Distribution



Red (100%)

Green (40%)

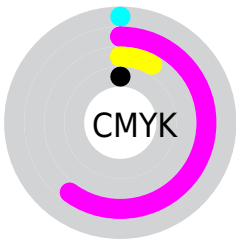
Blue (92%)



Red (100%)

Yellow (40%)

Blue (92%)

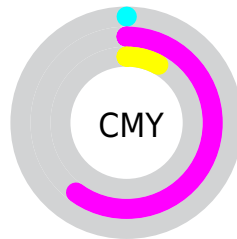


Cyan (0%)

Magenta (60%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 82.492, 332.133 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, 82.492, 332.133 by changing the saturation by 10% instead.


 67, 82.492,
332.133


 67, 82.492,
332.133


 100, 82.492,
332.133


 57, 82.492,
332.133


 87, 82.492,
332.133

 47, 82.492,
332.133

 97, 82.492,
332.133

 37, 82.492,
332.133

 27, 82.492,
332.133

 17, 82.492,
332.133

 7, 82.492, 332.133

 0, 82.492, 332.133

67, 82.492,
332.133

67, 82.492,
332.133

63, 91.960,
332.752

71, 70.863,
331.511

61, 98.713,
333.376

76, 57.725,
330.885

59, 102.450,
334.025

82, 43.664,
330.256

58, 103.530,
334.716

88, 29.153,
329.630

94, 14.539,
329.006

100, 0.059,
322.470

100, 0.057,
211.183

Harmonies

Complementary

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



67, 82.492, 332.133



90, 83.800, 142.713

Rectangle

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



67, 82.492, 332.133



67, 82.492, 22.133



67, 82.492, 152.133



67, 82.492, 202.133

Sweetspot

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



67, 82.489, 332.133



89, 26.194, 329.503



53, 87.524, 302.542



46, 18.214, 329.684



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, 82.489, 332.133



63, 93.564, 332.874



64, 63.048, 0.157



50, 8.240, 328.972



44, 83.582, 334.588



12, 38.948, 333.720

Inverse Universe

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



67, 82.489, 332.133



63, 93.564, 332.874



91, 55.473, 164.453



50, 8.240, 328.972



44, 83.582, 334.588



12, 38.948, 333.720

Previews

White Background



This preview shows how the CIELCh color 67, 82.492, 332.133 looks on a white background.

Color Contrast Check

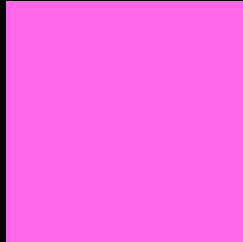
Large Text (above 18pt) WCAG AA × Fail

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, 82.492, 332.133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

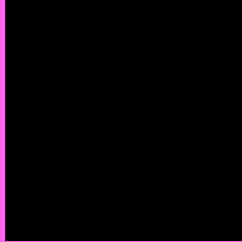
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 82.492, 332.133

Background



This preview shows how black text looks on a background with the CIELCh color 67, 82.492, 332.133.

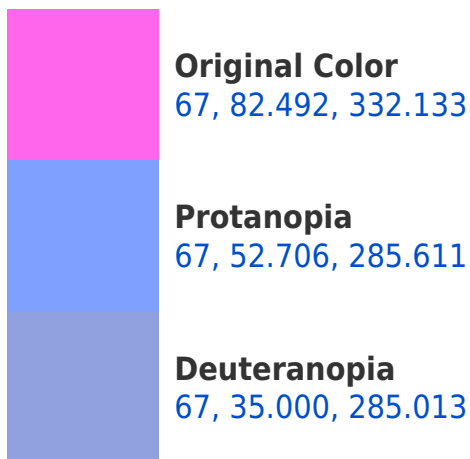


This preview shows how white text looks on a background with the CIELCh color 67, 82.492, 332.133.

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
67, 47.749, 19.035

Trichromacy



Original Color
67, 82.492, 332.133



Protanomaly
65, 60.932, 305.513



Deuteranomaly
65, 51.597, 311.210



Tritanomaly
66, 55.476, 355.026

Monochromacy



Original Color
67, 82.492, 332.133



Achromatopsia
67, 0.008, 296.813



Achromatomaly
65, 33.219, 329.775

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 82.492, 332.133 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, 102, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 234)  
}
```

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, 102, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 82.492, 332.133 is called "border". The border property can be set on classes, ids or directly on the HTML element.

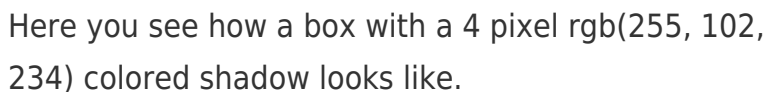
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 102, 234) }
```

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

```
.border{ border-color:rgb(255, 102, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 102, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 102, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 102, 234); box-shadow:4px 4px 4px 4px rgb(255, 102, 234) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 82.492, 332.133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 234) }
```

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

```
.background{ background-color: rgb(255,  
102, 234) }
```

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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