

Converting Colors

CIELCh(66, 70.798, 343.167)

Have a look what the booklet for
CIELCh(66, 70.798, 343.167)
contains.

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Color

CIELCh(66, 70.677, 342.791)

Conversions

Conversions Part 1

Format	Color
Hex	FF68C8
RGB	255, 104, 200
RGB Percent	100%, 41%, 78%
CMY	0.0000, 0.5939, 0.2176
CMYK	0.00, 0.59, 0.22, 0.00
HSL	322°, 100%, 70%
HSV	322°, 59%, 100%
XYZ	56.7224, 35.3238, 58.1759
YIQ	160.0930, 59.1800, 61.8680

Conversions

Conversions Part 2

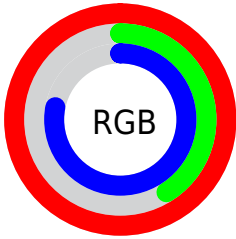
Format	Color
R _Y B	255, 104, 200
Decimal	16738504
CIE Lab	66.00, 67.51, -20.91
CIE LCh	66, 70.677, 342.791
Yxy	35.3238, 0.3776, 0.2351
Android (android.graphics.Color)	4294928584 (0xFFFF68C8)
YUV	160.0930, 19.6742, 83.2334
Hunter-Lab	59.4338, 66.3474, -16.4314

Details

The CIELCh color $66, 70.677, 342.791$ is a light color, and the websafe version is hex `FF66CC`. A complement of this color would be $90, 69.795, 150.733$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $79, 57.941, 326.417$, and $46, 70.673, 342.494$ is the 20% darker color. If you saturate the color by 10%, you get $62, 78.955, 344.067$, and if you desaturate by 10%, it is $71, 60.289, 341.440$.

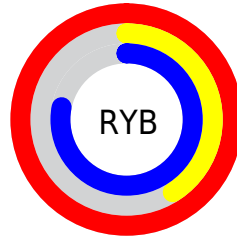
Distribution



Red (100%)

Green (41%)

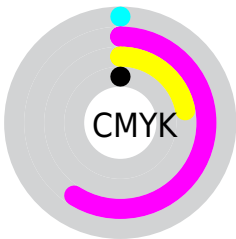
Blue (78%)



Red (100%)

Yellow (41%)

Blue (78%)

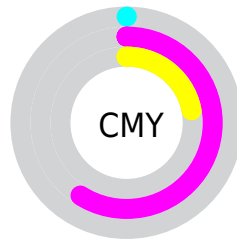


Cyan (0%)

Magenta (59%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (59%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 70.677, 342.791 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 66, 70.677, 342.791 by changing the saturation by 10% instead.


 66, 70.677,
342.791


 66, 70.677,
342.791


 100, 70.677,
342.791


 56, 70.677,
342.791


 86, 70.677,
342.791

 46, 70.677,
342.791

 96, 70.677,
342.791

 36, 70.677,
342.791

 26, 70.677,
342.791

 16, 70.677,
342.791

 6, 70.677, 342.791

 0, 70.677, 342.791

66, 70.677,
342.791

66, 70.677,
342.791

62, 78.955,
344.067

71, 60.289,
341.440

59, 84.869,
345.781

76, 48.769,
340.381

57, 87.955,
347.897

82, 36.552,
339.432

56, 88.486,
350.496

88, 24.055,
338.566

56, 88.491,
350.662

94, 11.566,
337.754

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.



66, 70.677, 342.791



90, 69.795, 150.733

Rectangle

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



66, 70.677, 342.791



66, 70.677, 32.791



66, 70.677, 162.791



66, 70.677, 212.791

Sweetspot

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



66, 70.562, 342.649



88, 22.310, 338.450



56, 86.270, 307.864



45, 15.526, 338.693



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 70.562, 342.649



61, 80.086, 344.320



64, 61.950, 16.581



50, 7.001, 337.763



42, 71.506, 350.134



11, 33.720, 346.622

Inverse Universe

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



66, 70.562, 342.649



61, 80.086, 344.320



92, 45.490, 181.497



50, 7.001, 337.763



42, 71.506, 350.134



11, 33.720, 346.622

Previews

White Background



This preview shows how the CIELCh color 66, 70.677, 342.791 looks on a white background.

Color Contrast Check

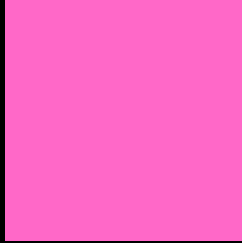
Large Text (above 18pt) WCAG AA × Fail

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 66, 70.677, 342.791 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 66, 70.677, 342.791

Background



This preview shows how black text looks on a background with the CIELCh color 66, 70.677, 342.791.

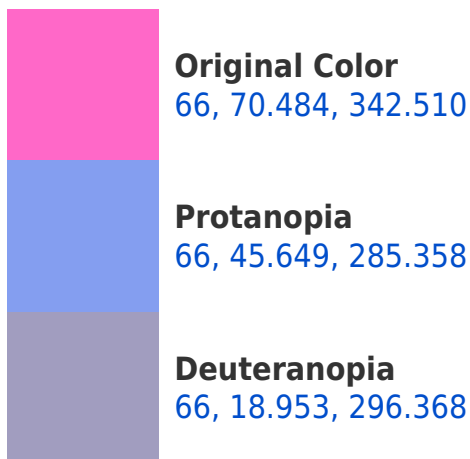


This preview shows how white text looks on a background with the CIELCh color 66, 70.677, 342.791.

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
66, 53.060, 20.497

Trichromacy



Original Color
66, 70.484, 342.510



Protanomaly
64, 50.203, 309.342



Deuteranomaly
65, 37.115, 326.500



Tritanomaly
66, 56.260, 3.865

Monochromacy



Original Color
66, 70.484, 342.510



Achromatopsia
66, 0.008, 296.813



Achromatomaly
64, 28.558, 339.743

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 70.677, 342.791 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, 104, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 104, 200)  
}
```

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, 104, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 104, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 70.677, 342.791 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, 104, 200) }
```

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

```
.border{ border-color:rgb(255, 104, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 104, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 104, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 104, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 104,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 70.677, 342.791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 104, 200) }
```

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

```
.background{ background-color: rgb(255,  
104, 200) }
```

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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