

Converting Colors

CIELCh(74, 84.210, 352.478)

Have a look what the booklet for
CIELCh(74, 84.210, 352.478)
contains.

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Color

CIELCh(66, 73.336, 340.551)

Conversions

Conversions Part 1

Format	Color
Hex	FF66CE
RGB	255, 102, 206
RGB Percent	100%, 40%, 81%
CMY	0.0000, 0.6008, 0.1931
CMYK	0.00, 0.60, 0.19, 0.00
HSL	319°, 100%, 70%
HSV	319°, 60%, 100%
XYZ	57.3873, 35.3238, 62.0307
YIQ	159.6030, 57.8040, 64.7800

Conversions

Conversions Part 2

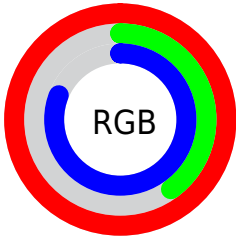
Format	Color
R_{YB}	255, 102, 206
Decimal	16737998
CIE _{Lab}	66.00, 69.15, -24.42
CIE _{LCh}	66, 73.336, 340.551
Yxy	35.3238, 0.3709, 0.2283
Android (android.graphics.Color)	4294928078 (0xFFFF66CE)
YUV	159.6030, 22.8737, 83.6632
Hunter-Lab	59.4338, 68.3443, -20.2769

Details

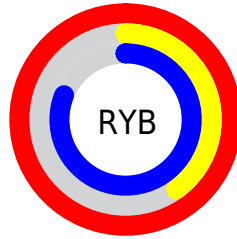
The CIELCh color **66, 73.336, 340.551** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **90, 73.130, 148.844**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 59.138, 326.457**, and **46, 73.281, 340.145** is the 20% darker color. If you saturate the color by 10%, you get **62, 81.594, 341.588**, and if you desaturate by 10%, it is **70, 62.794, 339.268**.

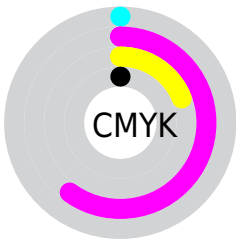
Distribution



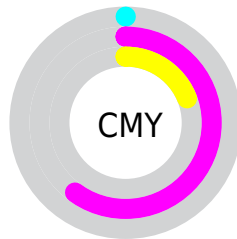
- Red (100%)
- Green (40%)
- Blue (81%)



- Red (100%)
- Yellow (40%)
- Blue (81%)



- Cyan (0%)
- Magenta (60%)
- Yellow (19%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 73.336, 340.551 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, 73.336, 340.551 by changing the saturation by 10% instead.


 66, 73.336,
340.551


 66, 73.336,
340.551


 100, 73.336,
340.551


 56, 73.336,
340.551


 86, 73.336,
340.551

 46, 73.336,
340.551

 96, 73.336,
340.551

 36, 73.336,
340.551

 26, 73.336,
340.551

 16, 73.336,
340.551

 6, 73.336, 340.551

 0, 73.336, 340.551

66, 73.336,
340.551

66, 73.336,
340.551

62, 81.594,
341.588

70, 62.794,
339.268

59, 87.428,
343.059

76, 51.060,
338.305

57, 90.358,
344.845

81, 38.550,
337.427

56, 90.745,
346.986

87, 25.700,
336.613

94, 12.820,
335.844

100, 0.108,
331.319

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, 73.336, 340.551



90, 73.130, 148.844

Rectangle

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



66, 73.336, 340.551



66, 73.336, 30.551



66, 73.336, 160.551



66, 73.336, 210.551

Sweetspot

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



66, 73.186, 340.347



89, 23.018, 336.451



55, 87.307, 307.031



45, 16.016, 336.679



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, 73.186, 340.347



61, 82.931, 341.850



64, 62.346, 14.223



50, 7.229, 335.801



42, 73.334, 346.555



11, 34.573, 343.683

Inverse Universe

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



66, 73.186, 340.347



61, 82.931, 341.850



92, 47.101, 178.393



50, 7.229, 335.801



42, 73.334, 346.555



11, 34.573, 343.683

Previews

White Background



This preview shows how the CIELCh color 66, 73.336, 340.551 looks on a white background.

Color Contrast Check

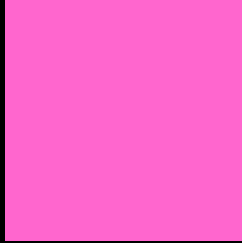
Large Text (above 18pt) WCAG AA × Fail

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, 73.336, 340.551 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, 73.336, 340.551

Background



This preview shows how black text looks on a background with the CIELCh color 66, 73.336, 340.551.

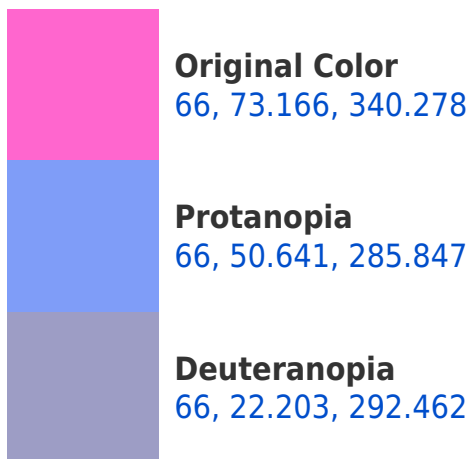


This preview shows how white text looks on a background with the CIELCh color 66, 73.336, 340.551.

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



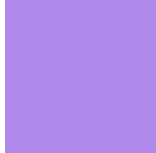


Tritanopia
66, 52.701, 20.944

Trichromacy



Original Color
66, 73.166, 340.278



Protanomaly
64, 54.854, 307.507



Deuteranomaly
64, 40.121, 322.891



Tritanomaly
66, 56.416, 2.773

Monochromacy



Original Color
66, 73.166, 340.278



Achromatopsia
65, 0.008, 296.813



Achromatomaly
64, 29.638, 337.286

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 73.336, 340.551 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 73.336, 340.551 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, 206) }
```

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

```
.border{ border-color:rgb(255, 102, 206) }
```

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, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 73.336, 340.551 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, 206) }
```

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

```
.background{ background-color: rgb(255,  
102, 206) }
```

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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