

Converting Colors

CIELCh(66, 77.768, 336.769)

Have a look what the booklet for
CIELCh(66, 77.768, 336.769)
contains.

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Color

CIELCh(66, 77.550, 336.711)

Conversions

Conversions Part 1

Format	Color
Hex	FF64D9
RGB	255, 100, 217
RGB Percent	100%, 39%, 85%
CMY	0.0006, 0.6084, 0.1495
CMYK	0.00, 0.61, 0.15, 0.00
HSL	315°, 100%, 70%
HSV	315°, 61%, 100%
XYZ	58.2389, 35.3238, 69.3042
YIQ	159.6830, 54.8230, 69.2470

Conversions

Conversions Part 2

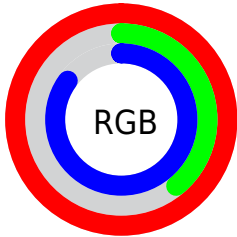
Format	Color
R _Y B	255, 100, 217
Decimal	16737497
CIE Lab	66.00, 71.23, -30.66
CIE LCh	66, 77.550, 336.711
Yxy	35.3238, 0.3576, 0.2169
Android (android.graphics.Color)	4294927577 (0xFFFF64D9)
YUV	159.6830, 28.2573, 83.5930
Hunter-Lab	59.4338, 70.9018, -27.5328

Details

The CIELCh color **66, 77.550, 336.711** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **90, 78.403, 145.980**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 60.331, 326.496**, and **46, 77.743, 336.672** is the 20% darker color. If you saturate the color by 10%, you get **62, 86.150, 337.667**, and if you desaturate by 10%, it is **70, 66.830, 335.842**.

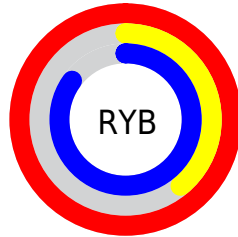
Distribution



Red (100%)

Green (39%)

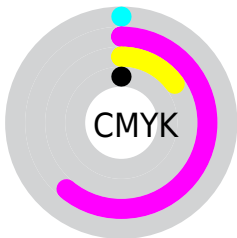
Blue (85%)



Red (100%)

Yellow (39%)

Blue (85%)

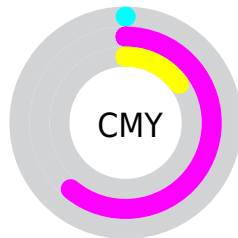


Cyan (0%)

Magenta (61%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 77.550, 336.711 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, 77.550, 336.711 by changing the saturation by 10% instead.

 66, 77.550,
336.711


 66, 77.550,
336.711


 100, 77.550,
336.711


 56, 77.550,
336.711


 86, 77.550,
336.711

 46, 77.550,
336.711

 96, 77.550,
336.711

 36, 77.550,
336.711

 26, 77.550,
336.711

 16, 77.550,
336.711

 6, 77.550, 336.711

 0, 77.550, 336.711

66, 77.550,
336.711

66, 77.550,
336.711

62, 86.150,
337.667

70, 66.830,
335.842

60, 92.066,
338.749

75, 54.646,
335.032

58, 94.999,
340.011

81, 41.580,
334.268

57, 95.414,
341.357

87, 28.096,
333.540

93, 14.526,
332.839

99, 1.092, 331.857

100, 0.049,
213.008

Harmonies

Complementary

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



66, 77.550, 336.711



90, 78.403, 145.980

Rectangle

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



66, 77.550, 336.711



66, 77.550, 26.711



66, 77.550, 156.711



66, 77.550, 206.711

Sweetspot

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



66, 77.547, 336.711



89, 24.286, 333.341



54, 88.504, 304.992



46, 16.892, 333.547



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, 77.547, 336.711



62, 87.727, 337.892



64, 62.834, 7.974



50, 7.634, 332.748



43, 77.113, 341.071



11, 36.236, 339.157

Inverse Universe

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



66, 77.547, 336.711



62, 87.727, 337.892



91, 51.089, 171.397



50, 7.634, 332.748



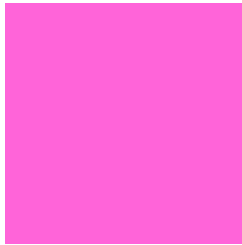
43, 77.113, 341.071



11, 36.236, 339.157

Previews

White Background



This preview shows how the CIELCh color 66, 77.550, 336.711 looks on a white background.

Color Contrast Check

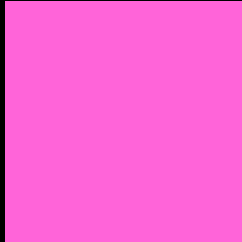
Large Text (above 18pt) WCAG AA × Fail

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, 77.550, 336.711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

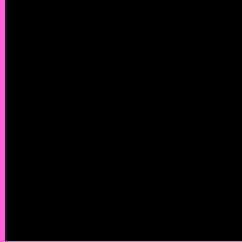
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 77.550, 336.711

Background



This preview shows how black text looks on a background with the CIELCh color 66, 77.550, 336.711.

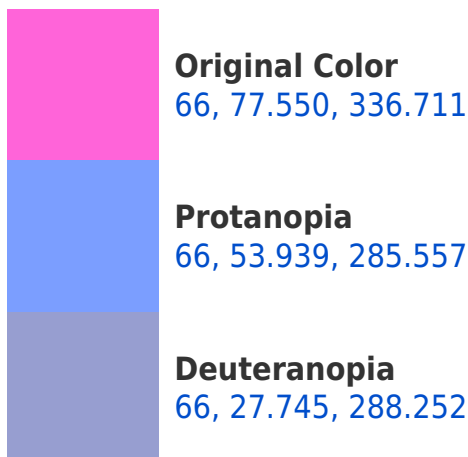


This preview shows how white text looks on a background with the CIELCh color 66, 77.550, 336.711.

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, 51.328, 20.045

Trichromacy



Original Color
66, 77.550, 336.711



Protanomaly
64, 58.942, 305.833



Deuteranomaly
64, 44.808, 317.320



Tritanomaly
66, 56.269, 359.618

Monochromacy



Original Color
66, 77.550, 336.711



Achromatopsia
66, 0.008, 296.813



Achromatomaly
64, 31.514, 333.582

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 77.550, 336.711 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, 100, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 217)  
}
```

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, 100, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 77.550, 336.711 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, 100, 217) }
```

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

```
.border{ border-color:rgb(255, 100, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 100, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 77.550, 336.711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 217) }
```

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

```
.background{ background-color: rgb(255,  
100, 217) }
```

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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