

Converting Colors

CIELCh(66, 76.867, 338.135)

Have a look what the booklet for
CIELCh(66, 76.867, 338.135)
contains.

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Color

CIELCh(66, 76.721, 337.874)

Conversions

Conversions Part 1

Format	Color
Hex	FF64D6
RGB	255, 100, 214
RGB Percent	100%, 39%, 84%
CMY	0.0000, 0.6087, 0.1618
CMYK	0.00, 0.61, 0.16, 0.00
HSL	316°, 100%, 70%
HSV	316°, 61%, 100%
XYZ	58.1729, 35.3238, 67.1938
YIQ	159.3410, 55.7860, 68.3140

Conversions

Conversions Part 2

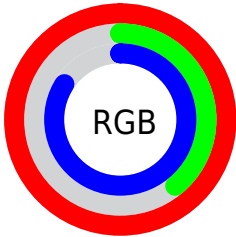
Format	Color
R _Y B	255, 100, 214
Decimal	16737494
CIE Lab	66.00, 71.07, -28.90
CIE LCh	66, 76.721, 337.874
Yxy	35.3238, 0.3620, 0.2198
Android (android.graphics.Color)	4294927574 (0xFFFF64D6)
YUV	159.3410, 26.9469, 83.8929
Hunter-Lab	59.4338, 70.7038, -25.4275

Details

The CIELCh color **66, 76.721, 337.874** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **90, 77.270, 146.686**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 60.331, 326.496**, and **46, 76.521, 337.650** is the 20% darker color. If you saturate the color by 10%, you get **62, 85.078, 338.716**, and if you desaturate by 10%, it is **70, 66.015, 336.757**.

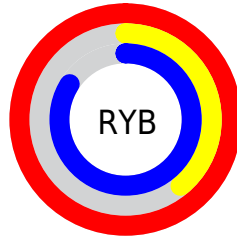
Distribution



Red (100%)

Green (39%)

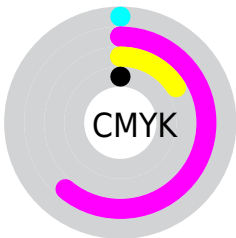
Blue (84%)



Red (100%)

Yellow (39%)

Blue (84%)

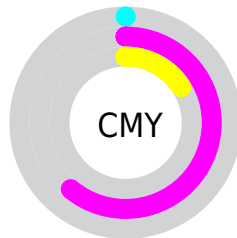


Cyan (0%)

Magenta (61%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 76.721, 337.874 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, 76.721, 337.874 by changing the saturation by 10% instead.


 66, 76.721,
337.874


 66, 76.721,
337.874


 100, 76.721,
337.874


 56, 76.721,
337.874


 86, 76.721,
337.874

 46, 76.721,
337.874

 96, 76.721,
337.874

 36, 76.721,
337.874

 26, 76.721,
337.874

 16, 76.721,
337.874

 6, 76.721, 337.874

 0, 76.721, 337.874

66, 76.721,
337.874

66, 76.721,
337.874

62, 85.078,
338.716

70, 66.015,
336.757

60, 90.888,
339.903

75, 53.984,
335.906

58, 93.727,
341.306

81, 41.086,
335.111

57, 94.077,
342.808

87, 27.779,
334.360

93, 14.395,
333.641

99, 1.150, 332.657

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, 76.721, 337.874



90, 77.270, 146.686

Rectangle

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



66, 76.721, 337.874



66, 76.721, 27.874



66, 76.721, 157.874



66, 76.721, 207.874

Sweetspot

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



66, 76.595, 337.683



89, 23.934, 334.151



54, 88.596, 305.407



46, 16.649, 334.363



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, 76.595, 337.683



62, 86.555, 338.954



63, 62.890, 9.283



50, 7.522, 333.543



43, 76.012, 342.485



11, 35.760, 340.328

Inverse Universe

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



66, 76.595, 337.683



62, 86.555, 338.954



91, 50.381, 172.692



50, 7.522, 333.543



43, 76.012, 342.485



11, 35.760, 340.328

Previews

White Background



This preview shows how the CIELCh color 66, 76.721, 337.874 looks on a white background.

Color Contrast Check

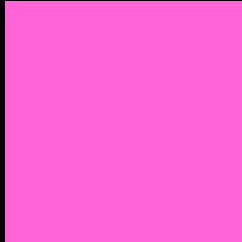
Large Text (above 18pt) WCAG AA × Fail

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, 76.721, 337.874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

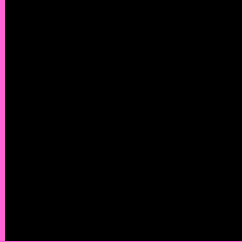
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 76.721, 337.874

Background



This preview shows how black text looks on a background with the CIELCh color 66, 76.721, 337.874.



This preview shows how white text looks on a background with the CIELCh color 66, 76.721, 337.874.

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, 52.194, 20.272

Trichromacy



Original Color
66, 76.578, 337.612



Protanomaly
64, 59.039, 306.145



Deuteranomaly
64, 44.119, 318.784



Tritanomaly
65, 56.826, 0.661

Monochromacy



Original Color
66, 76.578, 337.612



Achromatopsia
65, 0.008, 296.813



Achromatomaly
64, 31.395, 334.851

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 76.721, 337.874 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 76.721, 337.874 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, 214) }
```

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

```
.border{ border-color:rgb(255, 100, 214) }
```

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, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 76.721, 337.874 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, 214) }
```

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

```
.background{ background-color: rgb(255,  
100, 214) }
```

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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