

Converting Colors

CIELCh(74, 85.967, 351.348)

Have a look what the booklet for
CIELCh(74, 85.967, 351.348)
contains.

CIELCh(66, 75.164, 339.445)	3
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Color

CIELCh(66, 75.164, 339.445)

Conversions

Conversions Part 1

Format	Color
Hex	FF64D1
RGB	255, 100, 209
RGB Percent	100%, 39%, 82%
CMY	0.0000, 0.6065, 0.1793
CMYK	0.00, 0.61, 0.18, 0.00
HSL	318°, 100%, 70%
HSV	318°, 61%, 100%
XYZ	57.8888, 35.3238, 64.2705
YIQ	158.7710, 57.3910, 66.7590

Conversions

Conversions Part 2

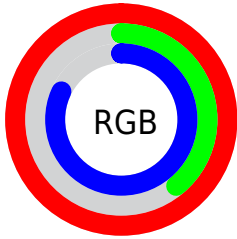
Format	Color
R _{YB}	255, 100, 209
Decimal	16737489
CIE _{Lab}	66.00, 70.38, -26.39
CIE _{LCh}	66, 75.164, 339.445
Y _{xy}	35.3238, 0.3676, 0.2243
Android (android.graphics.Color)	4294927569 (0xFFFF64D1)
YUV	158.7710, 24.7629, 84.3928
Hunter-Lab	59.4338, 69.8504, -22.5113

Details

The CIELCh color **66, 75.164, 339.445** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **90, 75.256, 147.790**, 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, 74.955, 339.327** is the 20% darker color. If you saturate the color by 10%, you get **62, 83.320, 340.252**, and if you desaturate by 10%, it is **70, 64.489, 338.097**.

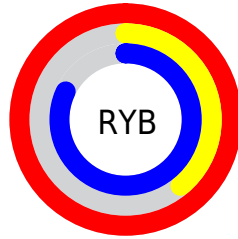
Distribution



Red (100%)

Green (39%)

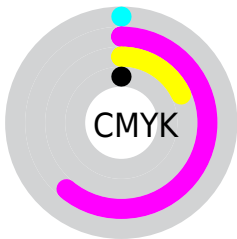
Blue (82%)



Red (100%)

Yellow (39%)

Blue (82%)

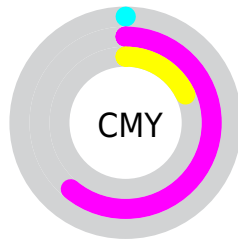


Cyan (0%)

Magenta (61%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 75.164, 339.445 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, 75.164, 339.445 by changing the saturation by 10% instead.


 66, 75.164,
339.445


 66, 75.164,
339.445


 100, 75.164,
339.445


 56, 75.164,
339.445


 86, 75.164,
339.445

 46, 75.164,
339.445

 96, 75.164,
339.445

 36, 75.164,
339.445

 26, 75.164,
339.445

 16, 75.164,
339.445

 6, 75.164, 339.445

 0, 75.164, 339.445

66, 75.164,
339.445

66, 75.164,
339.445

62, 83.320,
340.252

70, 64.489,
338.097

59, 89.078,
341.593

75, 52.642,
337.185

58, 91.895,
343.203

81, 39.966,
336.345

57, 92.221,
344.995

87, 26.911,
335.560

93, 13.798,
334.815

100, 0.837,
333.672

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, 75.164, 339.445



90, 75.256, 147.790

Rectangle

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



66, 75.164, 339.445



66, 75.164, 29.445



66, 75.164, 159.445



66, 75.164, 209.445

Sweetspot

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



66, 74.930, 339.106



89, 23.438, 335.360



54, 88.198, 306.221



45, 16.306, 335.581



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, 74.930, 339.106



61, 84.930, 340.547



63, 62.726, 11.808



50, 7.363, 334.731



43, 74.523, 344.616



11, 35.107, 342.088

Inverse Universe

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



66, 74.930, 339.106



61, 84.930, 340.547



91, 48.782, 175.445



50, 7.363, 334.731



43, 74.523, 344.616



11, 35.107, 342.088

Previews

White Background



This preview shows how the CIELCh color 66, 75.164, 339.445 looks on a white background.

Color Contrast Check

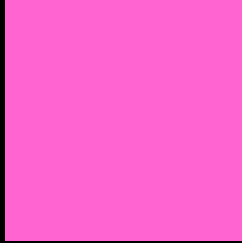
Large Text (above 18pt) WCAG AA × Fail

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, 75.164, 339.445 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, 75.164, 339.445

Background



This preview shows how black text looks on a background with the CIELCh color 66, 75.164, 339.445.

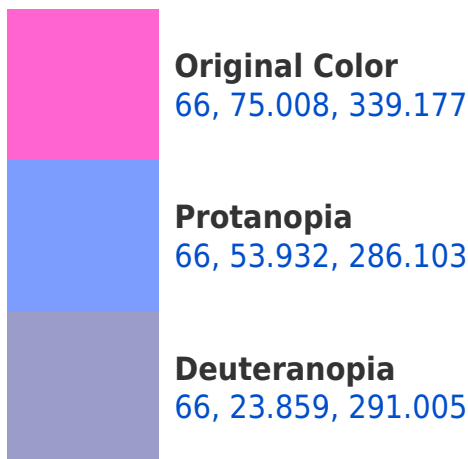


This preview shows how white text looks on a background with the CIELCh color 66, 75.164, 339.445.

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, 52.658, 20.408

Trichromacy



Original Color
66, 75.008, 339.177



Protanomaly
64, 58.023, 306.615



Deuteranomaly
64, 41.871, 320.905



Tritanomaly
65, 56.625, 1.736

Monochromacy



Original Color
66, 75.008, 339.177



Achromatopsia
65, 0.008, 296.813



Achromatomaly
64, 30.002, 336.505

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 75.164, 339.445 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 75.164, 339.445 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, 209) }
```

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

```
.border{ border-color:rgb(255, 100, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 75.164, 339.445 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, 209) }
```

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

```
.background{ background-color: rgb(255,  
100, 209) }
```

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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