

Converting Colors

CIELCh(66, 87.354, 331.815)

Have a look what the booklet for
CIELCh(66, 87.354, 331.815)
contains.

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Color

CIELCh(66, 87.283, 331.587)

Conversions

Conversions Part 1

Format	Color
Hex	FF5DEC
RGB	255, 93, 236
RGB Percent	100%, 36%, 93%
CMY	0.0000, 0.6336, 0.0729
CMYK	0.00, 0.63, 0.07, 0.00
HSL	307°, 100%, 68%
HSV	307°, 63%, 100%
XYZ	60.5469, 35.3238, 83.2889
YIQ	157.7400, 50.6490, 78.8170

Conversions

Conversions Part 2

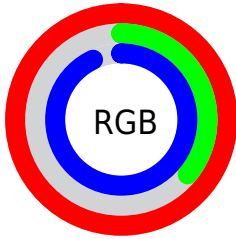
Format	Color
R _Y B	255, 93, 236
Decimal	16735724
CIE _{Lab}	66.00, 76.77, -41.53
CIE _{LCh}	66, 87.283, 331.587
Yxy	35.3238, 0.3379, 0.1972
Android (android.graphics.Color)	4294925804 (0xFFFF5DEC)
YUV	157.7400, 38.5822, 85.2970
Hunter-Lab	59.4338, 77.8336, -41.4836

Details

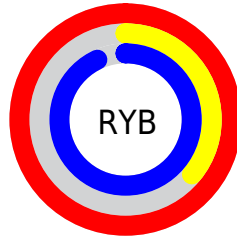
The CIELCh color **66, 87.283, 331.587** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **89, 89.022, 141.633**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 63.286, 326.594**, and **46, 87.452, 331.562** is the 20% darker color. If you saturate the color by 10%, you get **63, 96.016, 332.053**, and if you desaturate by 10%, it is **70, 76.088, 330.922**.

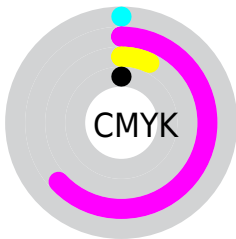
Distribution



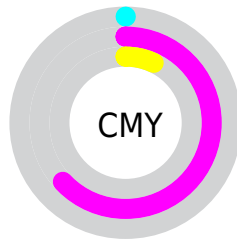
- Red (100%)
- Green (36%)
- Blue (93%)



- Red (100%)
- Yellow (36%)
- Blue (93%)



- Cyan (0%)
- Magenta (63%)
- Yellow (7%)
- Black (0%)





- Cyan (0%)
- Magenta (63%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 87.283, 331.587 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, 87.283, 331.587 by changing the saturation by 10% instead.

 66, 87.283,
331.587


 66, 87.283,
331.587


 100, 87.283,
331.587


 56, 87.283,
331.587


 86, 87.283,
331.587

 46, 87.283,
331.587

 96, 87.283,
331.587

 36, 87.283,
331.587

 26, 87.283,
331.587

 16, 87.283,
331.587

 6, 87.283, 331.587

 0, 87.283, 331.587

66, 87.283,
331.587

66, 87.283,
331.587

63, 96.016,
332.053

70, 76.088,
330.922

61, 101.926,
332.601

75, 63.192,
330.330

59, 104.815,
333.155

80, 49.172,
329.726

59, 105.406,
333.535

86, 34.545,
329.117

92, 19.705,
328.507

98, 4.927, 327.863

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, 87.283, 331.587



89, 89.022, 141.633

Rectangle

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



66, 87.283, 331.587



66, 87.283, 21.587



66, 87.283, 151.587



66, 87.283, 201.587

Sweetspot

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



66, 87.239, 331.496



88, 28.083, 328.851



50, 92.880, 302.381



45, 19.337, 329.026



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, 87.239, 331.496



62, 97.869, 332.198



63, 66.608, 358.512



50, 8.368, 328.270



44, 85.032, 333.433



12, 39.545, 332.736

Inverse Universe

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



66, 87.239, 331.496



62, 97.869, 332.198



91, 59.771, 161.814



50, 8.368, 328.270



44, 85.032, 333.433



12, 39.545, 332.736

Previews

White Background



This preview shows how the CIELCh color 66, 87.283, 331.587 looks on a white background.

Color Contrast Check

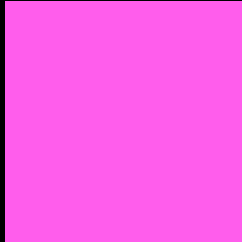
Large Text (above 18pt) WCAG AA × Fail

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, 87.283, 331.587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

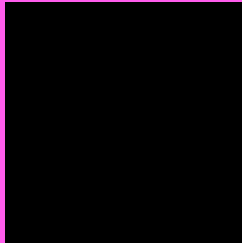
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 87.283, 331.587

Background



This preview shows how black text looks on a background with the CIELCh color 66, 87.283, 331.587.

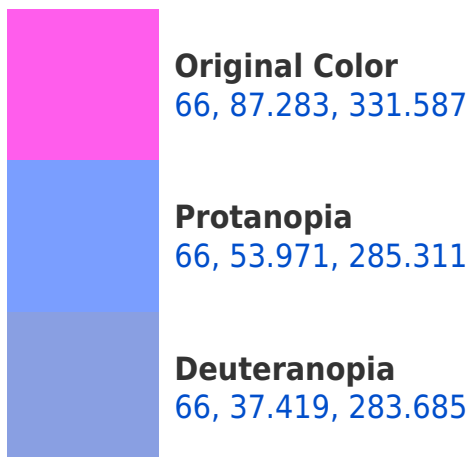


This preview shows how white text looks on a background with the CIELCh color 66, 87.283, 331.587.

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, 50.057, 19.721

Trichromacy



Original Color
66, 87.283, 331.587



Protanomaly
64, 63.845, 305.523



Deuteranomaly
64, 54.888, 310.316



Tritanomaly
65, 58.058, 354.731

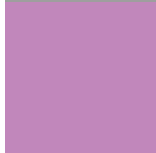
Monochromacy



Original Color
66, 87.283, 331.587



Achromatopsia
65, 0.008, 296.813



Achromatomaly
64, 35.687, 329.118

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 87.283, 331.587 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, 93, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 93, 236)  
}
```

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, 93, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 93, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 87.283, 331.587 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, 93, 236) }
```

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

```
.border{ border-color:rgb(255, 93, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 93, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 93, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 93, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 93,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 87.283, 331.587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 93, 236) }
```

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

```
.background{ background-color: rgb(255, 93,  
236) }
```

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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