

Converting Colors

CIELCh(66, 84.456, 332.804)

Have a look what the booklet for
CIELCh(66, 84.456, 332.804)
contains.

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Color

CIELCh(66, 84.609, 332.802)

Conversions

Conversions Part 1

Format	Color
Hex	FF5FE7
RGB	255, 95, 231
RGB Percent	100%, 37%, 91%
CMY	0.0000, 0.6264, 0.0932
CMYK	0.00, 0.63, 0.09, 0.00
HSL	309°, 100%, 69%
HSV	309°, 63%, 100%
XYZ	59.9095, 35.3238, 79.4436
YIQ	158.3440, 51.7040, 76.2160

Conversions

Conversions Part 2

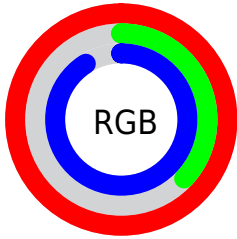
Format	Color
R_{YB}	255, 95, 231
Decimal	16736231
CIE _{Lab}	66.00, 75.25, -38.67
CIE _{LCh}	66, 84.609, 332.802
Yxy	35.3238, 0.3430, 0.2022
Android (android.graphics.Color)	4294926311 (0xFFFF5FE7)
YUV	158.3440, 35.8194, 84.7673
Hunter-Lab	59.4338, 75.9194, -37.6476

Details

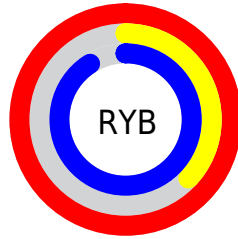
The CIELCh color **66, 84.609, 332.802** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **90, 86.221, 142.681**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 62.698, 326.575**, and **46, 84.656, 332.838** is the 20% darker color. If you saturate the color by 10%, you get **63, 93.314, 333.397**, and if you desaturate by 10%, it is **70, 73.532, 332.100**.

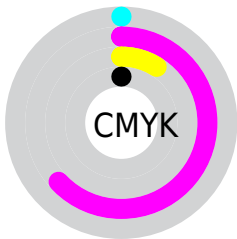
Distribution



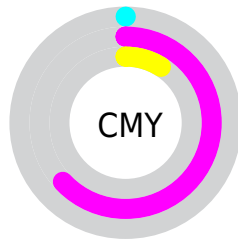
- Red (100%)
- Green (37%)
- Blue (91%)



- Red (100%)
- Yellow (37%)
- Blue (91%)



- Cyan (0%)
- Magenta (63%)
- Yellow (9%)
- Black (0%)





- Cyan (0%)
- Magenta (63%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 84.609, 332.802 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, 84.609, 332.802 by changing the saturation by 10% instead.

 66, 84.609,
332.802


 66, 84.609,
332.802


 100, 84.609,
332.802


 56, 84.609,
332.802


 86, 84.609,
332.802

 46, 84.609,
332.802

 96, 84.609,
332.802

 36, 84.609,
332.802

 26, 84.609,
332.802

 16, 84.609,
332.802

 6, 84.609, 332.802

 0, 84.609, 332.802

66, 84.609,
332.802

66, 84.609,
332.802

63, 93.314,
333.397

70, 73.532,
332.100

60, 99.223,
334.070

75, 60.816,
331.456

59, 102.107,
334.788

80, 47.041,
330.814

58, 102.648,
335.355

86, 32.712,
330.177

92, 18.206,
329.546

98, 3.782, 328.866

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, 84.609, 332.802



90, 86.221, 142.681

Rectangle

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



66, 84.609, 332.802



66, 84.609, 22.802



66, 84.609, 152.802



66, 84.609, 202.802

Sweetspot

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



66, 84.578, 332.745



88, 27.436, 329.947



51, 91.638, 302.951



45, 18.892, 330.128



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, 84.578, 332.745



62, 94.977, 333.553



63, 65.418, 0.813



50, 8.174, 329.347



44, 82.842, 335.212



12, 38.642, 334.249

Inverse Universe

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



66, 84.578, 332.745



62, 94.977, 333.553



91, 57.397, 164.030



50, 8.174, 329.347



44, 82.842, 335.212



12, 38.642, 334.249

Previews

White Background



This preview shows how the CIELCh color 66, 84.609, 332.802 looks on a white background.

Color Contrast Check

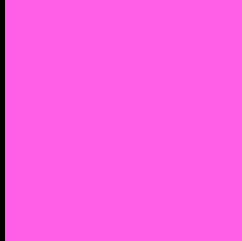
Large Text (above 18pt) WCAG AA × Fail

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, 84.609, 332.802 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, 84.609, 332.802

Background



This preview shows how black text looks on a background with the CIELCh color 66, 84.609, 332.802.



This preview shows how white text looks on a background with the CIELCh color 66, 84.609, 332.802.

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



Original Color

66, 84.609, 332.802

Protanopia

66, 53.971, 285.311

Deuteranopia

66, 35.114, 285.102



Tritanopia
66, 50.151, 20.335

Trichromacy



Original Color
66, 84.609, 332.802



Protanomaly
64, 62.791, 305.651



Deuteranomaly
64, 52.455, 311.792



Tritanomaly
65, 57.101, 356.488

Monochromacy



Original Color
66, 84.609, 332.802



Achromatopsia
65, 0.008, 296.813



Achromatomaly
64, 34.411, 330.830

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 84.609, 332.802 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, 95, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 95, 231)  
}
```

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, 95, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 95, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 84.609, 332.802 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, 95, 231) }
```

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

```
.border{ border-color:rgb(255, 95, 231) }
```

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

Here you see how a box with a 4 pixel rgb(255, 95, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 95, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 95, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 95,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 84.609, 332.802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 95, 231) }
```

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

```
.background{ background-color: rgb(255, 95,  
231) }
```

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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