

Converting Colors

CIELCh(68, 83.466, 330.422)

Have a look what the booklet for
CIELCh(68, 83.466, 330.422)
contains.

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Color

CIELCh(68, 83.176, 330.459)

Conversions

Conversions Part 1

Format	Color
Hex	FF6AF1
RGB	255, 106, 241
RGB Percent	100%, 42%, 95%
CMY	0.0000, 0.5838, 0.0545
CMYK	0.00, 0.58, 0.05, 0.00
HSL	306°, 100%, 71%
HSV	306°, 58%, 100%
XYZ	62.3440, 37.9720, 87.3510
YIQ	165.9410, 45.4690, 73.5730

Conversions

Conversions Part 2

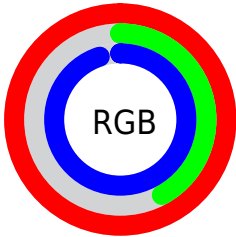
Format	Color
R _Y B	255, 106, 241
Decimal	16739057
CIE _{Lab}	68.00, 72.36, -41.01
CIE _{LCh}	68, 83.176, 330.459
Y _{xy}	37.9720, 0.3322, 0.2023
Android (android.graphics.Color)	4294929137 (0xFFFF6AF1)
YUV	165.9410, 37.0041, 78.1047
Hunter-Lab	61.6215, 72.7555, -40.9111

Details

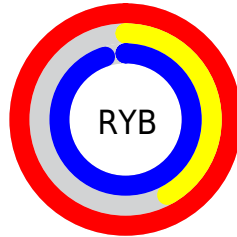
The CIELCh color **68, 83.176, 330.459** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **90, 84.318, 141.703**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 56.738, 326.377**, and **48, 83.074, 330.544** is the 20% darker color. If you saturate the color by 10%, you get **64, 93.354, 330.948**, and if you desaturate by 10%, it is **72, 70.883, 329.885**.

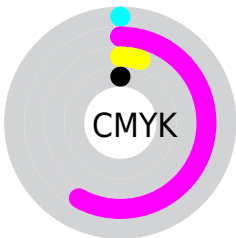
Distribution



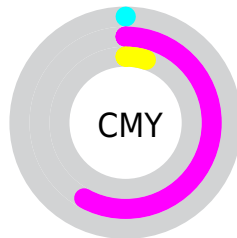
- Red (100%)
- Green (42%)
- Blue (95%)



- Red (100%)
- Yellow (42%)
- Blue (95%)



- Cyan (0%)
- Magenta (58%)
- Yellow (5%)
- Black (0%)



- Cyan (0%)
- Magenta (58%)
- Yellow (5%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 83.176, 330.459 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 68, 83.176, 330.459 by changing the saturation by 10% instead.

 68, 83.176,
330.459

 68, 83.176,
330.459

 100, 83.176,
330.459


 58, 83.176,
330.459


 88, 83.176,
330.459

 48, 83.176,
330.459

 98, 83.176,
330.459

 38, 83.176,
330.459

 28, 83.176,
330.459

 18, 83.176,
330.459

 8, 83.176, 330.459

 0, 83.176, 330.459

68, 83.176,
330.459

68, 83.176,
330.459

64, 93.354,
330.948

72, 70.883,
329.885

62, 100.886,
331.433

77, 57.162,
329.314

60, 105.418,
331.894

83, 42.574,
328.726

59, 107.110,
332.348

89, 27.582,
328.130

59, 107.257,
332.422

95, 12.520,
327.528

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.



68, 83.176, 330.459



90, 84.318, 141.703

Rectangle

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



68, 83.176, 330.459



68, 83.176, 20.459



68, 83.176, 150.459



68, 83.176, 200.459

Sweetspot

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



68, 83.160, 330.432



89, 27.003, 328.107



53, 85.088, 301.152



46, 18.775, 328.281



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68, 83.160, 330.432



64, 94.764, 331.028



65, 62.517, 356.157



50, 8.497, 327.597



44, 86.500, 332.343



12, 40.146, 331.803

Inverse Universe

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



68, 83.160, 330.432



64, 94.764, 331.028



91, 56.817, 161.627



50, 8.497, 327.597



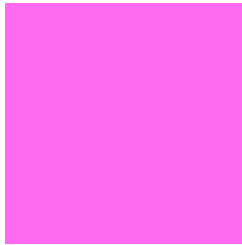
44, 86.500, 332.343



12, 40.146, 331.803

Previews

White Background



This preview shows how the CIELCh color 68, 83.176, 330.459 looks on a white background.

Color Contrast Check

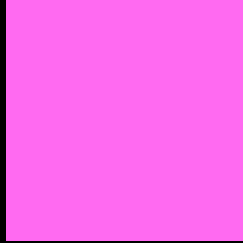
Large Text (above 18pt) WCAG AA × Fail

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 68, 83.176, 330.459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

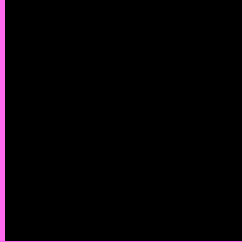
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 83.176, 330.459

Background



This preview shows how black text looks on a background with the CIELCh color 68, 83.176, 330.459.



This preview shows how white text looks on a background with the CIELCh color 68, 83.176, 330.459.

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

68, 83.176, 330.459

Protanopia

68, 50.893, 285.478

Deuteranopia

68, 37.144, 284.393



Tritanopia
68, 45.845, 17.814

Trichromacy



Original Color
68, 83.176, 330.459



Protanomaly
66, 60.786, 305.756



Deuteranomaly
66, 52.671, 309.293



Tritanomaly
68, 54.046, 353.001

Monochromacy



Original Color
68, 83.176, 330.459



Achromatopsia
68, 0.008, 296.813



Achromatomaly
66, 33.343, 328.615

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 83.176, 330.459 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, 106, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 241)  
}
```

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, 106, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 83.176, 330.459 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, 106, 241) }
```

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

```
.border{ border-color:rgb(255, 106, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 106, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 106, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 106, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 106,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 83.176, 330.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 106, 241) }
```

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

```
.background{ background-color: rgb(255,  
106, 241) }
```

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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