

Converting Colors

CIELCh(68, 86.852, 327.963)

Have a look what the booklet for
CIELCh(68, 86.852, 327.963)
contains.

CIELCh(68, 86.905, 328.028)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(68, 86.905, 328.028)

Conversions

Conversions Part 1

Format	Color
Hex	FD69FA
RGB	253, 105, 250
RGB Percent	99%, 41%, 98%
CMY	0.0071, 0.5875, 0.0189
CMYK	0.00, 0.58, 0.01, 0.01
HSL	301°, 98%, 70%
HSV	301°, 58%, 99%
XYZ	62.9308, 37.9720, 94.6034
YIQ	165.7820, 41.6630, 76.4710

Conversions

Conversions Part 2

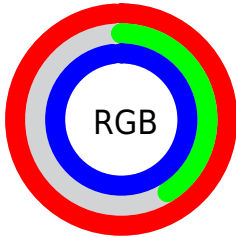
Format	Color
R _Y B	253, 105, 250
Decimal	16607738
CIE Lab	68.00, 73.72, -46.02
CIE LCh	68, 86.905, 328.028
Yxy	37.9720, 0.3219, 0.1942
Android (android.graphics.Color)	4294797818 (0xFFFD69FA)
YUV	165.7820, 41.5195, 76.4902
Hunter-Lab	61.6215, 74.4553, -47.8891

Details

The CIELCh color **68, 86.905, 328.028** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **89, 87.898, 139.819**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 57.340, 326.397**, and **48, 87.061, 327.988** is the 20% darker color. If you saturate the color by 10%, you get **65, 97.586, 328.401**, and if you desaturate by 10%, it is **72, 74.096, 327.587**.

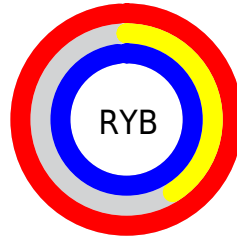
Distribution



Red (99%)

Green (41%)

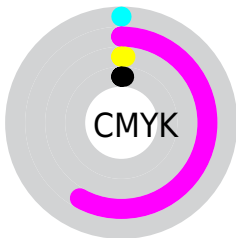
Blue (98%)



Red (99%)

Yellow (41%)

Blue (98%)

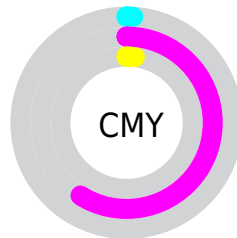


Cyan (0%)

Magenta (58%)

Yellow (1%)

Black (1%)



Cyan (1%)


Magenta (59%)

Yellow (2%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 86.905, 328.028 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, 86.905, 328.028 by changing the saturation by 10% instead.

 68, 86.905,
328.028


 68, 86.905,
328.028

 100, 86.905,
328.028

 58, 86.905,
328.028


 88, 86.905,
328.028

 48, 86.905,
328.028

 98, 86.905,
328.028

 38, 86.905,
328.028

 28, 86.905,
328.028

 18, 86.905,
328.028

 8, 86.905, 328.028

 0, 86.905, 328.028

68, 86.905,
328.028

68, 86.905,
328.028

65, 97.586,
328.401

72, 74.096,
327.587

62, 105.593,
328.696

77, 59.796,
327.093

60, 110.622,
328.910

82, 44.584,
326.561

60, 112.864,
329.053

88, 28.935,
326.006

60, 113.095,
329.073

94, 13.199,
325.434

100, 1.078,
145.898

100, 0.879,
155.892

100, 0.721,

170.917

100, 0.635,
191.931

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



68, 86.905, 328.028



89, 87.898, 139.819

Rectangle

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



68, 86.905, 328.028



68, 86.905, 18.028



68, 86.905, 148.028



68, 86.905, 198.028

Sweetspot

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



68, 86.902, 328.028



89, 28.383, 325.980



52, 84.869, 299.745



46, 19.732, 326.144



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, 86.902, 328.028



65, 99.569, 328.453



65, 63.925, 351.602



50, 8.933, 325.495



45, 91.610, 329.058



12, 42.226, 328.957

Inverse Universe

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



68, 86.902, 328.028



65, 99.569, 328.453



90, 60.081, 157.896



50, 8.933, 325.495



45, 91.610, 329.058



12, 42.226, 328.957

Previews

White Background



This preview shows how the CIELCh color 68, 86.905, 328.028 looks on a white background.

Color Contrast Check

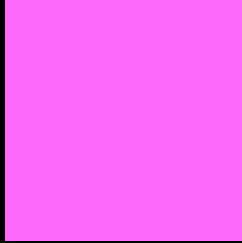
Large Text (above 18pt) WCAG AA × Fail

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, 86.905, 328.028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

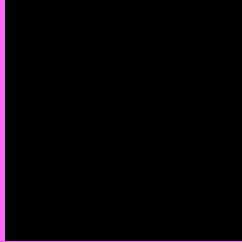
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 86.905, 328.028

Background



This preview shows how black text looks on a background with the CIELCh color 68, 86.905, 328.028.

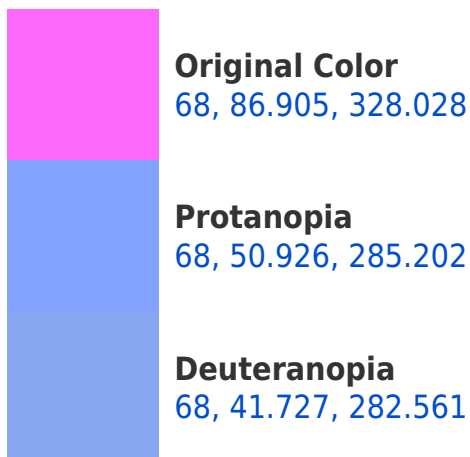


This preview shows how white text looks on a background with the CIELCh color 68, 86.905, 328.028.

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
68, 43.727, 17.190

Trichromacy



Original Color
68, 86.905, 328.028



Protanomaly
66, 62.296, 304.995



Deuteranomaly
66, 57.096, 306.614



Tritanomaly
67, 53.711, 349.762

Monochromacy



Original Color
68, 86.905, 328.028



Achromatopsia
68, 0.008, 296.813



Achromatomaly
67, 35.061, 326.424

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 86.905, 328.028 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(253, 105, 250)` looks like.

```
.text, #text, p{  
    color:rgb(253, 105, 250)  
}
```

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(253, 105, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 105, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 86.905, 328.028 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(253, 105, 250) }
```

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

```
.border{ border-color:rgb(253, 105, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 105, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 105, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 105, 250);  
box-shadow:4px 4px 4px 4px rgb(253, 105,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 86.905, 328.028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 105, 250) }
```

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

```
.background{ background-color: rgb(253,  
105, 250) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor