

Converting Colors

CIELCh(68, 89.911, 327.729)

Have a look what the booklet for
CIELCh(68, 89.911, 327.729)
contains.

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Color

CIELCh(68, 90.035, 327.665)

Conversions

Conversions Part 1

Format	Color
Hex	FF66FE
RGB	255, 102, 254
RGB Percent	100%, 40%, 100%
CMY	0.0000, 0.5995, 0.0035
CMYK	0.00, 0.60, 0.00, 0.00
HSL	300°, 100%, 70%
HSV	300°, 60%, 100%
XYZ	63.9551, 37.9720, 97.8222
YIQ	165.0750, 42.3960, 79.7080

Conversions

Conversions Part 2

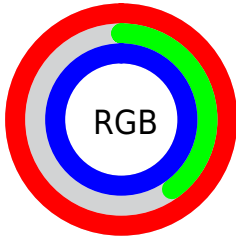
Format	Color
R _Y B	255, 102, 254
Decimal	16738046
CIE Lab	68.00, 76.07, -48.16
CIE LCh	68, 90.035, 327.665
Yxy	37.9720, 0.3202, 0.1901
Android (android.graphics.Color)	4294928126 (0xFFFF66FE)
YUV	165.0750, 43.8400, 78.8642
Hunter-Lab	61.6215, 77.4224, -50.9860

Details

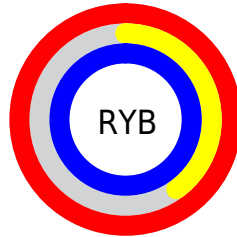
The CIELCh color **68, 90.035, 327.665** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **90, 91.068, 139.292**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 58.540, 326.437**, and **48, 90.227, 327.628** is the 20% darker color. If you saturate the color by 10%, you get **65, 100.506, 327.976**, and if you desaturate by 10%, it is **72, 77.301, 327.228**.

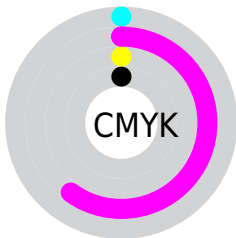
Distribution



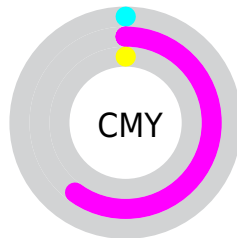
- Red (100%)
- Green (40%)
- Blue (100%)



- Red (100%)
- Yellow (40%)
- Blue (100%)



- Cyan (0%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 90.035, 327.665 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, 90.035, 327.665 by changing the saturation by 10% instead.


 68, 90.035,
327.665

 68, 90.035,
327.665


 100, 90.035,
327.665


 58, 90.035,
327.665

 88, 90.035,
327.665

 48, 90.035,
327.665

 98, 90.035,
327.665

 38, 90.035,
327.665

 28, 90.035,
327.665

 18, 90.035,
327.665

 8, 90.035, 327.665

 0, 90.035, 327.665

68, 90.035,
327.665

68, 90.035,
327.665

65, 100.506,
327.976

72, 77.301,
327.228

62, 108.226,
328.225

77, 62.971,
326.754

61, 112.938,
328.383

82, 47.631,
326.236

60, 115.028,
328.467

88, 31.780,
325.691

60, 115.036,
328.467

94, 15.793,
325.127

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, 90.035, 327.665



90, 91.068, 139.292

Rectangle

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



68, 90.035, 327.665



68, 90.035, 17.665



68, 90.035, 147.665



68, 90.035, 197.665

Sweetspot

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



68, 90.023, 327.640



89, 28.663, 325.582



51, 87.808, 299.747



46, 19.926, 325.744



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, 90.023, 327.640



64, 102.327, 328.035



65, 66.155, 350.788



50, 9.021, 325.101



45, 92.662, 328.463



12, 42.652, 328.435

Inverse Universe

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



68, 90.023, 327.640



64, 102.327, 328.035



91, 62.661, 156.785



50, 9.021, 325.101



45, 92.662, 328.463



12, 42.652, 328.435

Previews

White Background



This preview shows how the CIELCh color 68, 90.035, 327.665 looks on a white background.

Color Contrast Check

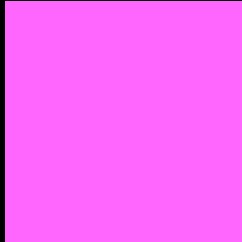
Large Text (above 18pt) WCAG AA × Fail

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, 90.035, 327.665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

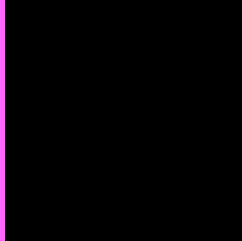
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 90.035, 327.665

Background



This preview shows how black text looks on a background with the CIELCh color 68, 90.035, 327.665.

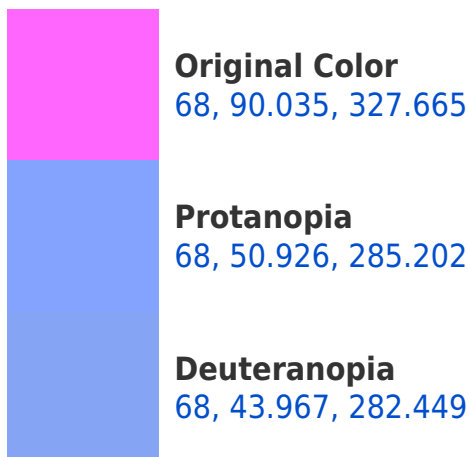


This preview shows how white text looks on a background with the CIELCh color 68, 90.035, 327.665.

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, 44.585, 17.450

Trichromacy



Original Color
68, 90.035, 327.665



Protanomaly
66, 63.994, 305.369



Deuteranomaly
66, 59.736, 305.905

Tritanomaly
67, 55.306, 349.932

Monochromacy



Original Color
68, 90.035, 327.665



Achromatopsia
68, 0.008, 296.813



Achromatomaly
66, 36.364, 326.460

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 90.035, 327.665 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, 102, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 254)  
}
```

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, 102, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 90.035, 327.665 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, 102, 254) }
```

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

```
.border{ border-color:rgb(255, 102, 254) }
```

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

Here you see how a box with a 4 pixel rgb(255, 102, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 90.035, 327.665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 254) }
```

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

```
.background{ background-color: rgb(255,  
102, 254) }
```

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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