

Converting Colors

CIELCh(68, 90.798, 327.479)

Have a look what the booklet for
CIELCh(68, 90.798, 327.479)
contains.

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Color

CIELCh(68, 90.426, 327.467)

Conversions

Conversions Part 1

Format	Color
Hex	FF66FF
RGB	255, 102, 255
RGB Percent	100%, 40%, 100%
CMY	0.0001, 0.6001, 0.0001
CMYK	0.00, 0.60, 0.00, 0.00
HSL	300°, 100%, 70%
HSV	300°, 60%, 100%
XYZ	64.0264, 37.9720, 98.5430
YIQ	165.1890, 42.0750, 80.0190

Conversions

Conversions Part 2

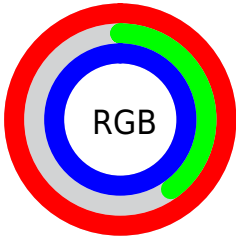
Format	Color
R _Y B	255, 102, 255
Decimal	16738047
CIE Lab	68.00, 76.24, -48.63
CIE LCh	68, 90.426, 327.467
Yxy	37.9720, 0.3193, 0.1893
Android (android.graphics.Color)	4294928127 (0xFFFF66FF)
YUV	165.1890, 44.2768, 78.7642
Hunter-Lab	61.6215, 77.6289, -51.6796

Details

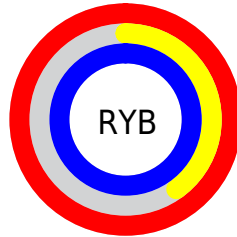
The CIELCh color **68, 90.426, 327.467** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **90, 91.437, 139.151**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 58.540, 326.437**, and **48, 90.619, 327.421** is the 20% darker color. If you saturate the color by 10%, you get **65, 100.939, 327.793**, and if you desaturate by 10%, it is **72, 77.663, 327.062**.

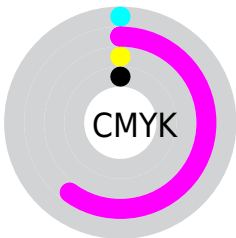
Distribution



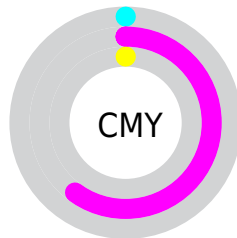
- Red (100%)
- Green (40%)
- Blue (100%)



- 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, 90.426, 327.467 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, 90.426, 327.467 by changing the saturation by 10% instead.

 68, 90.426,
327.467


 68, 90.426,
327.467


 100, 90.426,
327.467


 58, 90.426,
327.467


 88, 90.426,
327.467

 48, 90.426,
327.467

 98, 90.426,
327.467

 38, 90.426,
327.467

 28, 90.426,
327.467

 18, 90.426,
327.467

 8, 90.426, 327.467

 0, 90.426, 327.467

68, 90.426,
327.467

68, 90.426,
327.467

65, 100.939,
327.793

72, 77.663,
327.062

62, 108.687,
328.028

77, 63.286,
326.594

61, 113.429,
328.169

82, 47.894,
326.080

60, 115.559,
328.232

88, 31.985,
325.537

94, 15.938,
324.976

100, 0.016,
304.594

100, 0.006,
200.806

100, 0.006,

200.808

100, 0.006,
200.810

Harmonies

Complementary

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



68, 90.426, 327.467



90, 91.437, 139.151

Rectangle

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



68, 90.426, 327.467



68, 90.426, 17.467



68, 90.426, 147.467



68, 90.426, 197.467

Sweetspot

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



68, 90.423, 327.467



89, 28.774, 325.426



52, 86.328, 299.205



46, 20.004, 325.588



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, 90.423, 327.467



64, 102.727, 327.847



65, 66.724, 349.715



50, 9.057, 324.947



45, 93.083, 328.232



12, 42.823, 328.232

Inverse Universe

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



63, 65.768, 27.676



58, 80.236, 31.403



91, 63.646, 155.935



49, 5.254, 19.943



40, 84.230, 40.000



10, 33.367, 27.176

Previews

White Background



This preview shows how the CIELCh color 68, 90.426, 327.467 looks on a white background.

Color Contrast Check

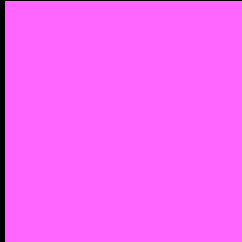
Large Text (above 18pt) WCAG AA × Fail

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, 90.426, 327.467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

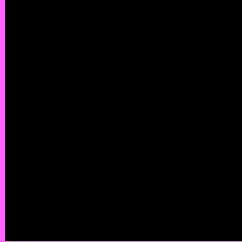
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 90.426, 327.467

Background



This preview shows how black text looks on a background with the CIELCh color 68, 90.426, 327.467.



This preview shows how white text looks on a background with the CIELCh color 68, 90.426, 327.467.

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, 90.426, 327.467

Protanopia

68, 50.926, 285.202

Deuteranopia

68, 44.010, 282.116



Tritanopia
68, 44.585, 17.450

Trichromacy



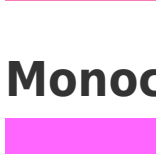
Original Color
68, 90.426, 327.467



Protanomaly
66, 63.994, 305.369



Deuteranomaly
66, 59.736, 305.905



Tritanomaly
67, 55.529, 349.431

Monochromacy



Original Color
68, 90.426, 327.467



Achromatopsia
68, 0.008, 296.813



Achromatomaly
66, 36.802, 325.966

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 90.426, 327.467 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, 255)` looks like.

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

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, 255) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 68, 90.426, 327.467 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, 255) }
```

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

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

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, 255)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 68, 90.426, 327.467 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, 255) }
```

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

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

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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