

Converting Colors

CIELCh(68, 60.945, 322.718)

Have a look what the booklet for
CIELCh(68, 60.945, 322.718)
contains.

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Color

CIELCh(68, 61.213, 322.829)

Conversions

Conversions Part 1

Format	Color
Hex	DC85E9
RGB	220, 133, 233
RGB Percent	86%, 52%, 91%
CMY	0.1364, 0.4776, 0.0855
CMYK	0.06, 0.43, 0.00, 0.09
HSL	292°, 70%, 72%
HSV	292°, 43%, 91%
XYZ	52.7308, 37.9720, 81.7974
YIQ	170.4130, 19.7520, 49.5440

Conversions

Conversions Part 2

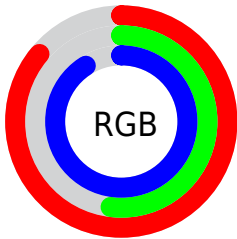
Format	Color
R _{YB}	220, 133, 233
Decimal	14452201
CIE Lab	68.00, 48.78, -36.98
CIE LCh	68, 61.213, 322.829
Yxy	37.9720, 0.3057, 0.2201
Android (android.graphics.Color)	4292642281 (0xFFDC85E9)
YUV	170.4130, 30.8554, 43.4878
Hunter-Lab	61.6215, 44.9088, -35.5675

Details

The CIELCh color **68, 61.213, 322.829** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **85, 60.630, 138.146**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **84, 42.003, 325.881**, and **48, 61.358, 322.780** is the 20% darker color. If you saturate the color by 10%, you get **63, 74.379, 323.194**, and if you desaturate by 10%, it is **73, 47.220, 322.402**.

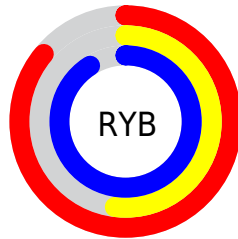
Distribution



Red (86%)

Green (52%)

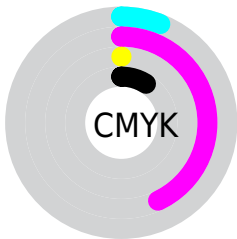
Blue (91%)



Red (86%)

Yellow (52%)

Blue (91%)

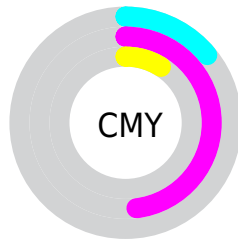


Cyan (6%)

Magenta (43%)

Yellow (0%)

Black (9%)



Cyan (14%)


Magenta (48%)

Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 61.213, 322.829 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, 61.213, 322.829 by changing the saturation by 10% instead.

 68, 61.213,
322.829


 68, 61.213,
322.829


 100, 61.213,
322.829


 58, 61.213,
322.829


 88, 61.213,
322.829

 48, 61.213,
322.829


 98, 61.213,
322.829

 38, 61.213,
322.829

 28, 61.213,
322.829

 18, 61.213,
322.829

 8, 61.213, 322.829

 0, 61.213, 322.829

68, 61.213,
322.829

68, 61.213,
322.829

63, 74.379,
323.194

73, 47.220,
322.402

59, 86.168,
323.467

79, 32.844,
321.939

55, 95.950,
323.612

85, 18.397,
321.458

53, 103.155,
323.596

91, 4.090, 320.936

97, 9.945, 140.563

51, 107.474,
323.398

98, 12.602,
137.296

50, 109.105,
323.162

99, 12.117,
132.894

99, 11.710,
128.125

■ 99, 11.390,
123.018

Harmonies

Complementary

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



68, 61.213, 322.829



85, 60.630, 138.146

Rectangle

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



68, 61.213, 322.829



68, 61.213, 12.829



68, 61.213, 142.829



68, 61.213, 192.829

Sweetspot

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



68, 61.211, 322.829



92, 19.959, 321.467



63, 48.456, 290.630



48, 13.986, 321.575



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, 61.211, 322.829



70, 77.359, 323.140



68, 49.202, 340.731



46, 8.131, 321.291



39, 90.244, 323.241



8, 38.553, 323.944

Inverse Universe

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



67, 40.858, 14.109



68, 52.979, 15.897



85, 48.226, 153.086



46, 4.967, 9.495



38, 75.201, 34.112



7, 28.065, 17.383

Previews

White Background



This preview shows how the CIELCh color 68, 61.213, 322.829 looks on a white background.

Color Contrast Check

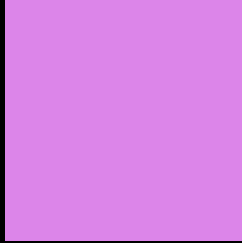
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 68, 61.213, 322.829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

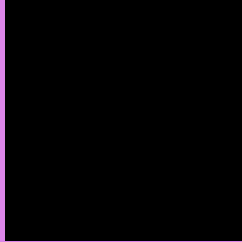
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 61.213, 322.829

Background



This preview shows how black text looks on a background with the CIELCh color 68, 61.213, 322.829.



This preview shows how white text looks on a background with the CIELCh color 68, 61.213, 322.829.

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, 24.826, 6.700

Trichromacy



Original Color
68, 61.213, 322.829



Protanomaly
67, 52.686, 299.461



Deuteranomaly
68, 42.656, 303.336



Tritanomaly
68, 35.441, 340.426

Monochromacy



Original Color
68, 61.213, 322.829



Achromatopsia
70, 0.009, 296.813



Achromatomaly
69, 23.499, 321.594

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 61.213, 322.829 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(220, 133, 233)` looks like.

```
.text, #text, p{  
    color:rgb(220, 133, 233)  
}
```

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(220, 133, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 133, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 61.213, 322.829 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(220, 133, 233) }
```

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

```
.border{ border-color:rgb(220, 133, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 133, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 133, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 133, 233);  
box-shadow:4px 4px 4px 4px rgb(220, 133,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 61.213, 322.829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 133, 233) }
```

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

```
.background{ background-color: rgb(220,  
133, 233) }
```

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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