

Converting Colors

CIELCh(68, 81.863, 323.145)

Have a look what the booklet for
CIELCh(68, 81.863, 323.145)
contains.

CIELCh(68, 81.573, 323.227)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(68, 81.573, 323.227)

Conversions

Conversions Part 1

Format	Color
Hex	ED75FF
RGB	237, 117, 255
RGB Percent	93%, 46%, 100%
CMY	0.0704, 0.5410, 0.0000
CMYK	0.07, 0.54, 0.00, 0.00
HSL	292°, 100%, 73%
HSV	292°, 54%, 100%
XYZ	59.3694, 37.9720, 98.8545
YIQ	168.6120, 27.2220, 68.3580

Conversions

Conversions Part 2

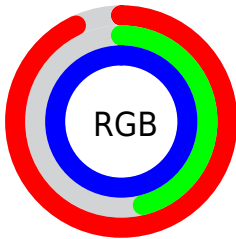
Format	Color
R _Y B	237, 117, 255
Decimal	15562239
CIE _{Lab}	68.00, 65.34, -48.83
CIE _{LCh}	68, 81.573, 323.227
Y _{xy}	37.9720, 0.3026, 0.1935
Android (android.graphics.Color)	4293752319 (0xFFED75FF)
YUV	168.6120, 42.5893, 59.9763
Hunter-Lab	61.6215, 64.1389, -51.9793

Details

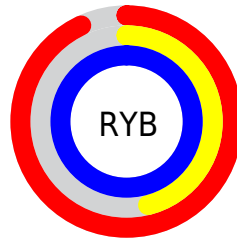
The CIELCh color **68, 81.573, 323.227** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **91, 80.865, 137.215**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **81, 51.272, 326.194**, and **48, 81.688, 323.096** is the 20% darker color. If you saturate the color by 10%, you get **64, 93.941, 323.494**, and if you desaturate by 10%, it is **73, 67.564, 322.882**.

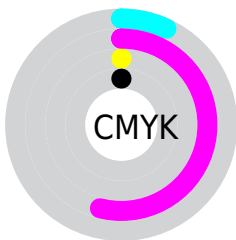
Distribution



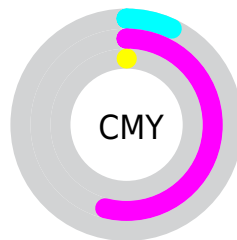
- Red (93%)
- Green (46%)
- Blue (100%)



- Red (93%)
- Yellow (46%)
- Blue (100%)



- Cyan (7%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (54%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 81.573, 323.227 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, 81.573, 323.227 by changing the saturation by 10% instead.

 68, 81.573,
323.227


 68, 81.573,
323.227

 100, 81.573,
323.227

 58, 81.573,
323.227


 88, 81.573,
323.227

 48, 81.573,
323.227

 98, 81.573,
323.227

 38, 81.573,
323.227

 28, 81.573,
323.227

 18, 81.573,
323.227

 8, 81.573, 323.227

 0, 81.573, 323.227

68, 81.573,
323.227

68, 81.573,
323.227

64, 93.941,
323.494

73, 67.564,
322.882

60, 104.065,
323.617

79, 52.615,
322.460

57, 111.328,
323.573

85, 37.193,
321.999

55, 115.463,
323.342

91, 21.656,
321.517

55, 116.743,
323.134

97, 6.247, 321.010

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, 81.573, 323.227



91, 80.865, 137.215

Rectangle

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



68, 81.573, 323.227



68, 81.573, 13.227



68, 81.573, 143.227



68, 81.573, 193.227

Sweetspot

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



68, 81.547, 323.238



90, 24.611, 321.610



60, 67.180, 293.204



46, 16.635, 321.710



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, 81.547, 323.238



63, 94.960, 323.511



68, 65.300, 342.004



50, 8.707, 321.292



41, 94.006, 323.218



11, 43.174, 323.802

Inverse Universe

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



66, 56.406, 16.650



61, 68.181, 19.839



91, 64.258, 151.546



50, 5.321, 9.495



40, 78.494, 34.303



10, 32.403, 21.859

Previews

White Background



This preview shows how the CIELCh color 68, 81.573, 323.227 looks on a white background.

Color Contrast Check

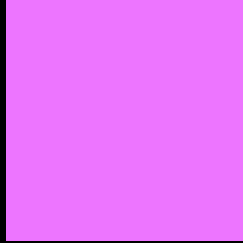
Large Text (above 18pt) WCAG AA × Fail

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, 81.573, 323.227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

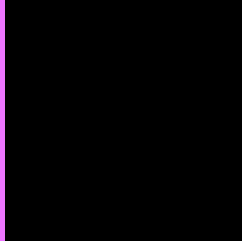
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 81.573, 323.227

Background



This preview shows how black text looks on a background with the CIELCh color 68, 81.573, 323.227.

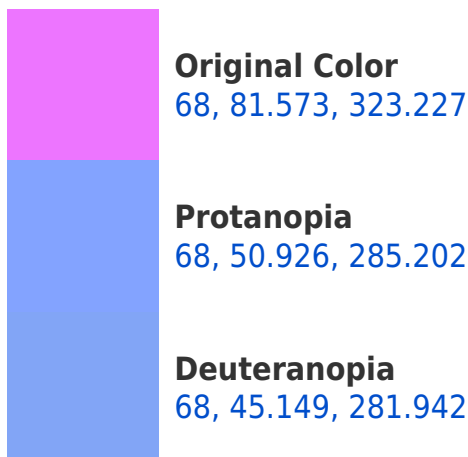


This preview shows how white text looks on a background with the CIELCh color 68, 81.573, 323.227.

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, 32.856, 12.447

Trichromacy



Original Color
68, 81.573, 323.227



Protanomaly
67, 60.754, 302.536



Deuteranomaly
67, 56.301, 301.909

Tritanomaly
68, 45.995, 342.278

Monochromacy



Original Color
68, 81.573, 323.227



Achromatopsia
69, 0.009, 296.813



Achromatomaly
68, 31.770, 322.324

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 81.573, 323.227 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(237, 117, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 117, 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(237, 117, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 117, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 81.573, 323.227 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(237, 117, 255) }
```

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

```
.border{ border-color:rgb(237, 117, 255) }
```

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

Here you see how a box with a 4 pixel rgb(237, 117, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 117, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 117, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 117,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 81.573, 323.227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 117, 255) }
```

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

```
.background{ background-color: rgb(237,  
117, 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](#).

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