

Converting Colors

CIELCh(70, 63.792, 324.016)

Have a look what the booklet for
CIELCh(70, 63.792, 324.016)
contains.

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Color

CIELCh(70, 63.691, 323.877)

Conversions

Conversions Part 1

Format	Color
Hex	E688F0
RGB	230, 136, 240
RGB Percent	90%, 53%, 94%
CMY	0.0978, 0.4664, 0.0586
CMYK	0.04, 0.43, 0.00, 0.06
HSL	294°, 78%, 74%
HSV	294°, 43%, 94%
XYZ	57.1987, 40.7494, 87.3310
YIQ	175.9620, 22.6400, 52.2720

Conversions

Conversions Part 2

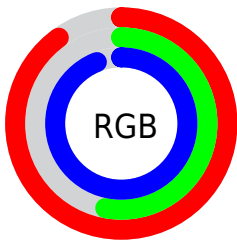
Format	Color
R _{YB}	230, 136, 240
Decimal	15108336
CIE _{Lab}	70.00, 51.45, -37.55
CIE _{LCh}	70, 63.691, 323.877
Y _{xy}	40.7494, 0.3087, 0.2199
Android (android.graphics.Color)	4293298416 (0xFFE688F0)
Y _{UV}	175.9620, 31.5707, 47.3913
Hunter-Lab	63.8353, 48.2308, -36.4281

Details

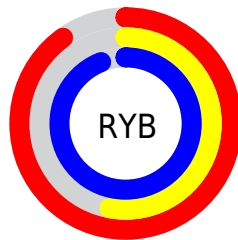
The CIELCh color **70, 63.691, 323.877** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **87, 63.319, 138.913**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **85, 40.132, 325.817**, and **50, 63.705, 323.883** is the 20% darker color. If you saturate the color by 10%, you get **65, 77.066, 324.256**, and if you desaturate by 10%, it is **75, 49.371, 323.437**.

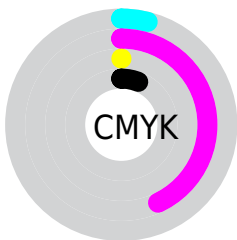
Distribution



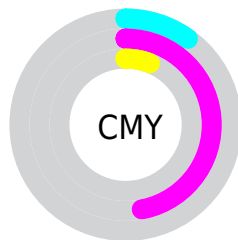
- Red (90%)
- Green (53%)
- Blue (94%)



- Red (90%)
- Yellow (53%)
- Blue (94%)



- Cyan (4%)
- Magenta (43%)
- Yellow (0%)
- Black (6%)





- Cyan (10%)
- Magenta (47%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 63.691, 323.877 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 70, 63.691, 323.877 by changing the saturation by 10% instead.


 70, 63.691,
323.877


 70, 63.691,
323.877


 100, 63.691,
323.877


 60, 63.691,
323.877


 90, 63.691,
323.877

 50, 63.691,
323.877

 40, 63.691,
323.877

 30, 63.691,
323.877

 20, 63.691,
323.877

 10, 63.691,
323.877

 0, 63.691, 323.877

70, 63.691,
323.877

70, 63.691,
323.877

65, 77.066,
324.256

75, 49.371,
323.437

61, 88.922,
324.545

81, 34.584,
322.961

58, 98.624,
324.715

87, 19.673,
322.464

55, 105.635,
324.741

93, 4.875, 321.930

99, 8.991, 141.362

54, 109.710,
324.606

99, 8.579, 136.836

53, 111.121,
324.442

99, 8.225, 131.861

99, 7.939, 126.458

99, 7.729, 120.681

Harmonies

Complementary

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



70, 63.691, 323.877



87, 63.319, 138.913

Rectangle

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



70, 63.691, 323.877



70, 63.691, 13.877



70, 63.691, 143.877



70, 63.691, 193.877

Sweetspot

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



70, 63.689, 323.877



92, 20.156, 322.450



64, 52.201, 292.258



48, 14.122, 322.561



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70, 63.689, 323.877



70, 79.124, 324.216



70, 49.801, 342.493



47, 8.359, 322.268



40, 90.871, 324.504



9, 39.621, 325.011

Inverse Universe

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



68, 42.414, 16.776



67, 54.405, 18.687



87, 48.518, 154.458



47, 5.023, 12.185



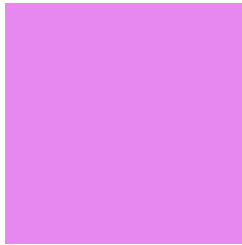
38, 77.644, 36.020



8, 29.366, 19.914

Previews

White Background



This preview shows how the CIELCh color 70, 63.691, 323.877 looks on a white background.

Color Contrast Check

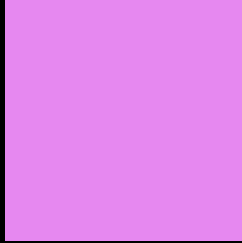
Large Text (above 18pt) WCAG AA × Fail

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 70, 63.691, 323.877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

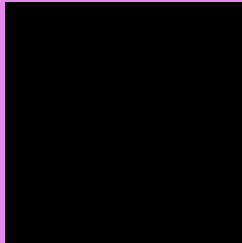
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 63.691, 323.877

Background



This preview shows how black text looks on a background with the CIELCh color 70, 63.691, 323.877.

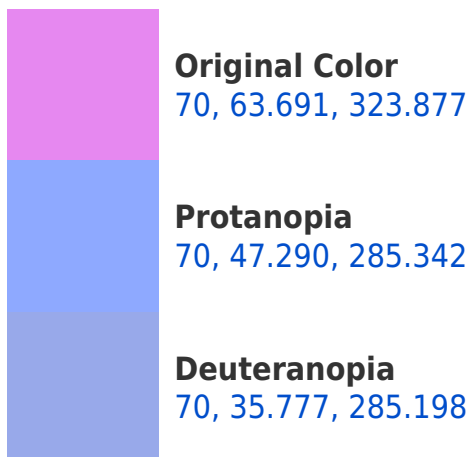


This preview shows how white text looks on a background with the CIELCh color 70, 63.691, 323.877.

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
70, 27.031, 8.249

Trichromacy



Original Color
70, 63.691, 323.877



Protanomaly
69, 51.426, 300.741



Deuteranomaly
69, 44.168, 303.854



Tritanomaly
70, 37.234, 342.330

Monochromacy



Original Color
70, 63.691, 323.877



Achromatopsia
72, 0.009, 296.813



Achromatomaly
70, 24.400, 323.239

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 63.691, 323.877 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(230, 136, 240)` looks like.

```
.text, #text, p{  
    color:rgb(230, 136, 240)  
}
```

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(230, 136, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 136, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 63.691, 323.877 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(230, 136, 240) }
```

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

```
.border{ border-color:rgb(230, 136, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 136, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 136, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 136, 240);  
box-shadow:4px 4px 4px 4px rgb(230, 136,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 63.691, 323.877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 136, 240) }
```

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

```
.background{ background-color: rgb(230,  
136, 240) }
```

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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