

Converting Colors

CIELCh(68, 68.168, 326.895)

Have a look what the booklet for
CIELCh(68, 68.168, 326.895)
contains.

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Color

CIELCh(68, 68.021, 326.898)

Conversions

Conversions Part 1

Format	Color
Hex	EA7DEA
RGB	234, 125, 234
RGB Percent	92%, 49%, 92%
CMY	0.0834, 0.5108, 0.0834
CMYK	0.00, 0.47, 0.00, 0.08
HSL	300°, 72%, 70%
HSV	300°, 47%, 92%
XYZ	55.9534, 37.9720, 82.0186
YIQ	170.0170, 29.9750, 57.0070

Conversions

Conversions Part 2

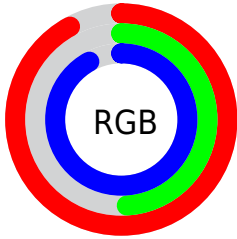
Format	Color
RYB	234, 125, 234
Decimal	15367658
CIELab	68.00, 56.98, -37.15
CIElCh	68, 68.021, 326.898
Yxy	37.9720, 0.3180, 0.2158
Android (android.graphics.Color)	4293557738 (0xFFEA7DEA)
YUV	170.0170, 31.5436, 56.1131
Hunter-Lab	61.6215, 54.2436, -35.7804

Details

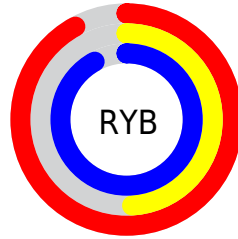
The CIELCh color $68, 68.021, 326.898$ is a light color, and the websafe version is hex `CC66CC`. A complement of this color would be $84, 68.301, 140.688$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $83, 46.349, 326.028$, and $48, 68.283, 326.867$ is the 20% darker color. If you saturate the color by 10%, you get $64, 80.523, 327.326$, and if you desaturate by 10%, it is $73, 54.223, 326.414$.

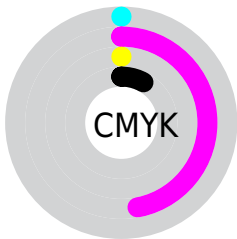
Distribution



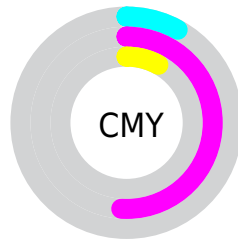
- Red (92%)
- Green (49%)
- Blue (92%)



- Red (92%)
- Yellow (49%)
- Blue (92%)



- Cyan (0%)
- Magenta (47%)
- Yellow (0%)
- Black (8%)




- Cyan (8%)
- Magenta (51%)
- Yellow (8%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 68.021, 326.898 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, 68.021, 326.898 by changing the saturation by 10% instead.

 68, 68.021,
326.898

 68, 68.021,
326.898

 100, 68.021,
326.898

 58, 68.021,
326.898


 88, 68.021,
326.898

 48, 68.021,
326.898

 98, 68.021,
326.898

 38, 68.021,
326.898

 28, 68.021,
326.898

 18, 68.021,
326.898

 8, 68.021, 326.898

 0, 68.021, 326.898

68, 68.021,
326.898

68, 68.021,
326.898

64, 80.523,
327.326

73, 54.223,
326.414

61, 91.155,
327.680

78, 39.662,
325.891

58, 99.377,
327.948

83, 24.758,
325.343

56, 104.852,
328.124

89, 9.821, 324.775

95, 4.938, 144.316


56, 107.613,
328.211

98, 13.256,
143.971

55, 108.198,
328.230

98, 13.256,
143.968

98, 13.255,
143.966

 98, 13.255,
143.964

Harmonies

Complementary

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



68, 68.021, 326.898



84, 68.301, 140.688

Rectangle

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



68, 68.021, 326.898



68, 68.021, 16.898



68, 68.021, 146.898



68, 68.021, 196.898

Sweetspot

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



68, 68.018, 326.898



91, 22.351, 325.200



57, 60.885, 296.259



47, 15.442, 325.322



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, 68.018, 326.898



70, 85.555, 327.311



66, 49.756, 347.564



46, 8.457, 324.940



43, 89.364, 328.230



9, 38.267, 328.230

Inverse Universe

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



65, 46.014, 24.513



65, 60.856, 26.627



85, 47.455, 157.957



46, 4.905, 19.931



38, 80.844, 39.983



7, 28.535, 22.712

Previews

White Background



This preview shows how the CIELCh color 68, 68.021, 326.898 looks on a white background.

Color Contrast Check

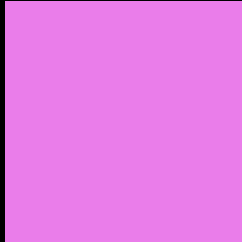
Large Text (above 18pt) WCAG AA × Fail

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, 68.021, 326.898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

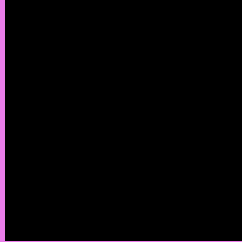
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 68.021, 326.898

Background



This preview shows how black text looks on a background with the CIELCh color 68, 68.021, 326.898.



This preview shows how white text looks on a background with the CIELCh color 68, 68.021, 326.898.

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, 68.021, 326.898



Protanomaly
67, 54.640, 302.005



Deuteranomaly
67, 44.805, 306.427

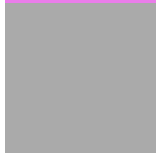


Tritanomaly
68, 42.304, 347.063

Monochromacy



Original Color
68, 68.021, 326.898



Achromatopsia
70, 0.009, 296.813



Achromatomaly
68, 25.773, 325.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 68.021, 326.898 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(234, 125, 234)` looks like.

```
.text, #text, p{  
    color:rgb(234, 125, 234)  
}
```

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(234, 125, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 125, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 68.021, 326.898 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(234, 125, 234) }
```

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

```
.border{ border-color:rgb(234, 125, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 125, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 125, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 125, 234);  
box-shadow:4px 4px 4px 4px rgb(234, 125,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 68.021, 326.898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 125, 234) }
```

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

```
.background{ background-color: rgb(234,  
125, 234) }
```

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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