

Converting Colors

CIELCh(68, 68.340, 326.915)

Have a look what the booklet for
CIELCh(68, 68.340, 326.915)
contains.

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Color

CIELCh(68, 68.587, 326.918)

Conversions

Conversions Part 1

Format	Color
Hex	EA7CEA
RGB	234, 124, 234
RGB Percent	92%, 49%, 92%
CMY	0.0813, 0.5127, 0.0813
CMYK	0.00, 0.47, 0.00, 0.08
HSL	300°, 73%, 70%
HSV	300°, 47%, 92%
XYZ	56.1488, 37.9720, 82.4100
YIQ	169.4300, 30.2500, 57.5300

Conversions

Conversions Part 2

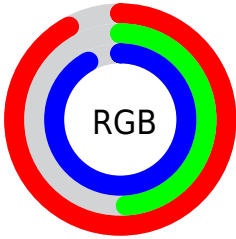
Format	Color
RYB	234, 124, 234
Decimal	15367402
CIELab	68.00, 57.47, -37.44
CIELCh	68, 68.587, 326.918
Yxy	37.9720, 0.3181, 0.2151
Android (android.graphics.Color)	4293557482 (0xFFEA7CEA)
YUV	169.4300, 31.8330, 56.6279
Hunter-Lab	61.6215, 54.8096, -36.1570

Details

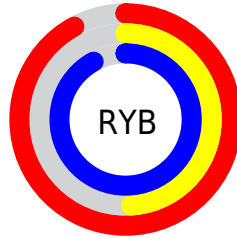
The CIELCh color $68, 68.587, 326.918$ is a light color, and the websafe version is hex `CC66CC`. A complement of this color would be $84, 68.879, 140.655$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $82, 46.967, 326.049$, and $48, 68.784, 326.892$ is the 20% darker color. If you saturate the color by 10%, you get $64, 81.058, 327.344$, and if you desaturate by 10%, it is $73, 54.798, 326.436$.

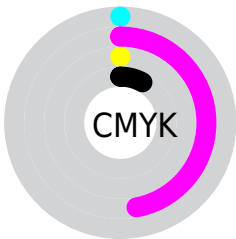
Distribution



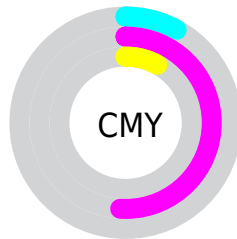
- Red (92%)
- Green (49%)
- Blue (92%)



- 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, 68.587, 326.918 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, 68.587, 326.918 by changing the saturation by 10% instead.

 68, 68.587,
326.918

 68, 68.587,
326.918

 100, 68.587,
326.918


 58, 68.587,
326.918


 88, 68.587,
326.918

 48, 68.587,
326.918

 98, 68.587,
326.918

 38, 68.587,
326.918

 28, 68.587,
326.918

 18, 68.587,
326.918

 8, 68.587, 326.918

 0, 68.587, 326.918

68, 68.587,
326.918

68, 68.587,
326.918

64, 81.058,
327.344

73, 54.798,
326.436

61, 91.634,
327.696

78, 40.229,
325.913

58, 99.781,
327.961

83, 25.303,
325.366

57, 105.169,
328.134

89, 10.336,
324.799

56, 107.854,
328.219

95, 4.459, 144.345

56, 108.380,
328.236

98, 12.916,
143.990

98, 12.915,
143.993

98, 12.914,
143.995

■ 98, 12.913,
143.997

Harmonies

Complementary

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



68, 68.587, 326.918



84, 68.879, 140.655

Rectangle

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



68, 68.587, 326.918



68, 68.587, 16.918



68, 68.587, 146.918



68, 68.587, 196.918

Sweetspot

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



68, 68.584, 326.918



91, 22.350, 325.205



57, 62.614, 296.924



47, 15.442, 325.326



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, 68.584, 326.918



70, 85.552, 327.316



66, 49.737, 348.615



46, 8.457, 324.944



43, 89.358, 328.236



9, 38.265, 328.235

Inverse Universe

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



68, 68.584, 326.918



70, 85.552, 327.316



85, 47.185, 158.758



46, 8.457, 324.944



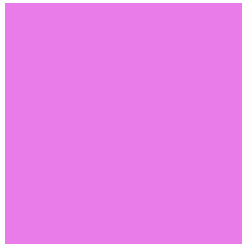
43, 89.358, 328.236



9, 38.265, 328.235

Previews

White Background



This preview shows how the CIELCh color 68, 68.587, 326.918 looks on a white background.

Color Contrast Check

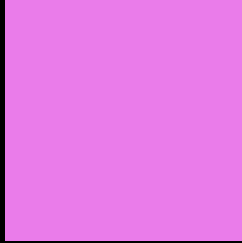
Large Text (above 18pt) WCAG AA × Fail

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, 68.587, 326.918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

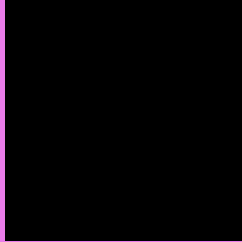
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 68.587, 326.918

Background



This preview shows how black text looks on a background with the CIELCh color 68, 68.587, 326.918.

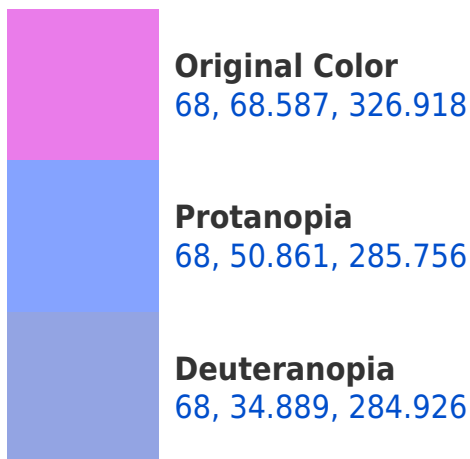


This preview shows how white text looks on a background with the CIELCh color 68, 68.587, 326.918.

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, 68.587, 326.918



Protanomaly
67, 54.640, 302.005



Deuteranomaly
67, 45.333, 306.298



Tritanomaly
68, 42.304, 347.063

Monochromacy



Original Color
68, 68.587, 326.918



Achromatopsia
70, 0.009, 296.813



Achromatomaly
68, 26.435, 325.559

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 68.587, 326.918 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, 124, 234)` looks like.

```
.text, #text, p{  
    color:rgb(234, 124, 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, 124, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 124, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 68.587, 326.918 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, 124, 234) }
```

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

```
.border{ border-color:rgb(234, 124, 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, 124, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 124, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 124, 234);  
box-shadow:4px 4px 4px 4px rgb(234, 124,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 68.587, 326.918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 124, 234) }
```

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

```
.background{ background-color: rgb(234,  
124, 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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