

Converting Colors

CIELCh(68, 37.407, 298.608)

Have a look what the booklet for
CIELCh(68, 37.407, 298.608)
contains.

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Color

CIELCh(68, 37.150, 298.278)

Conversions

Conversions Part 1

Format	Color
Hex	A79EE1
RGB	167, 158, 225
RGB Percent	65%, 62%, 88%
CMY	0.3461, 0.3814, 0.1187
CMYK	0.26, 0.30, 0.00, 0.12
HSL	248°, 53%, 75%
HSV	248°, 30%, 88%
XYZ	41.6143, 37.9720, 76.1708
YIQ	168.3290, -16.1430, 22.7450

Conversions

Conversions Part 2

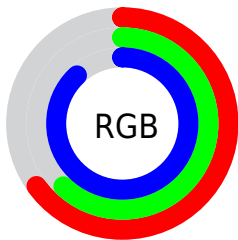
Format	Color
RYB	167, 158, 225
Decimal	10985185
CIELab	68.00, 17.60, -32.72
CIELCh	68, 37.150, 298.278
Yxy	37.9720, 0.2672, 0.2438
Android (android.graphics.Color)	4289175265 (0xFFA79EE1)
YUV	168.3290, 27.9388, -1.1655
Hunter-Lab	61.6215, 12.7075, -30.1539

Details

The CIELCh color $68, 37.150, 298.278$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $87, 34.634, 113.146$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $87, 22.334, 300.618$, and $48, 36.675, 297.856$ is the 20% darker color. If you saturate the color by 10%, you get $61, 50.611, 299.531$, and if you desaturate by 10%, it is $75, 24.193, 297.184$.

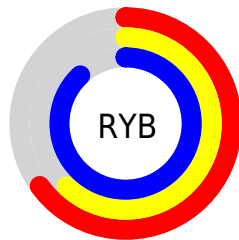
Distribution



Red (65%)

Green (62%)

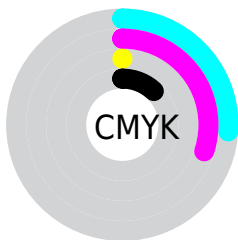
Blue (88%)



Red (65%)

Yellow (62%)

Blue (88%)

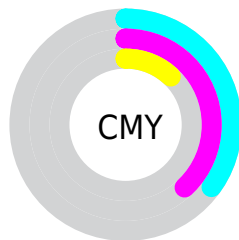


Cyan (26%)

Magenta (30%)

Yellow (0%)

Black (12%)



Cyan (35%)


Magenta (38%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 37.150, 298.278 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, 37.150, 298.278 by changing the saturation by 10% instead.


 68, 37.150,
298.278


 68, 37.150,
298.278


 100, 37.150,
298.278


 58, 37.150,
298.278


 88, 37.150,
298.278

 48, 37.150,
298.278

 98, 37.150,
298.278

 38, 37.150,
298.278

 28, 37.150,
298.278

 18, 37.150,
298.278

 8, 37.150, 298.278

 0, 37.150, 298.278

68, 37.150,
298.278

68, 37.150,
298.278

61, 50.611,
299.531

75, 24.193,
297.184

54, 64.519,
300.939

82, 11.745,
296.241

47, 78.671,
302.461

90, 0.218, 115.363

41, 92.566,
304.000

97, 11.726,
114.734

35, 105.189,
305.373

99, 15.318,
109.020

31, 114.927,
306.321

29, 120.663,
306.722

29, 120.760,

Harmonies

Complementary

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



68, 37.150, 298.278



87, 34.634, 113.146

Rectangle

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



68, 37.150, 298.278



68, 37.150, 348.278



68, 37.150, 118.278



68, 37.150, 168.278

Sweetspot

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



68, 37.149, 298.278



93, 11.928, 296.176



83, 19.389, 212.365



48, 8.312, 296.304



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, 37.149, 298.278



71, 50.360, 299.068



71, 39.448, 314.882



43, 6.789, 296.209



21, 100.460, 306.810



2, 31.862, 299.075

Inverse Universe

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



73, 39.217, 330.128



78, 52.268, 330.529



85, 38.334, 132.211



44, 7.434, 328.868



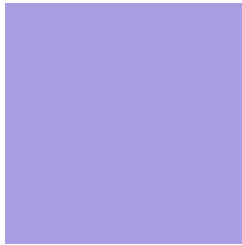
40, 78.791, 334.387



7, 32.813, 333.244

Previews

White Background



This preview shows how the CIELCh color 68, 37.150, 298.278 looks on a white background.

Color Contrast Check

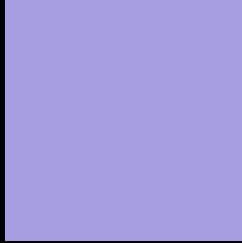
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 68, 37.150, 298.278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

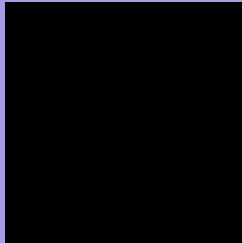
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 37.150, 298.278

Background



This preview shows how black text looks on a background with the CIELCh color 68, 37.150, 298.278.



This preview shows how white text looks on a background with the CIELCh color 68, 37.150, 298.278.

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, 8.178, 270.287

Trichromacy



Original Color
68, 37.150, 298.278

Protanomaly
68, 36.387, 290.322

Deuteranomaly
68, 34.740, 290.488

Tritanomaly
68, 18.206, 289.836

Monochromacy



Original Color
68, 37.150, 298.278

Achromatopsia
69, 0.009, 296.813

Achromatomaly
68, 13.877, 297.484

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 37.150, 298.278 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(167, 158, 225)` looks like.

```
.text, #text, p{  
    color:rgb(167, 158, 225)  
}
```

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(167, 158, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 158, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 37.150, 298.278 is called "border". The border property can be set on classes, ids or directly on the HTML element.

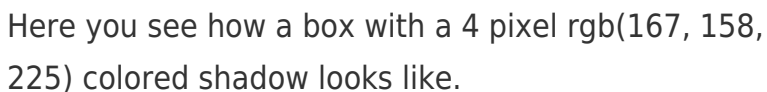
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 158, 225) }
```

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

```
.border{ border-color:rgb(167, 158, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 158, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 158, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 158, 225);  
box-shadow:4px 4px 4px 4px rgb(167, 158,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 37.150, 298.278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 158, 225) }
```

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

```
.background{ background-color: rgb(167,  
158, 225) }
```

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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