

Converting Colors

CIELCh(67, 36.491, 303.329)

Have a look what the booklet for
CIELCh(67, 36.491, 303.329)
contains.

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Color

CIELCh(67, 36.655, 303.573)

Conversions

Conversions Part 1

Format	Color
Hex	AC99DA
RGB	172, 153, 218
RGB Percent	67%, 60%, 85%
CMY	0.3253, 0.3999, 0.1450
CMYK	0.21, 0.30, 0.00, 0.14
HSL	258°, 47%, 73%
HSV	258°, 30%, 86%
XYZ	41.0774, 36.6320, 71.2603
YIQ	166.0910, -9.5410, 24.2430

Conversions

Conversions Part 2

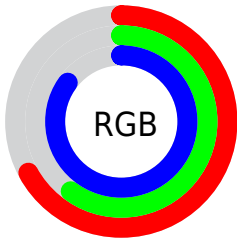
Format	Color
R_{YB}	172, 153, 218
Decimal	11311578
CIE _{Lab}	67.00, 20.27, -30.54
CIE _{LCh}	67, 36.655, 303.573
Yxy	36.6320, 0.2757, 0.2459
Android (android.graphics.Color)	4289501658 (0xFFAC99DA)
YUV	166.0910, 25.5911, 5.1822
Hunter-Lab	60.5244, 15.2290, -27.4399

Details

The CIELCh color $67, 36.655, 303.573$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $84, 34.502, 119.759$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $86, 26.315, 307.813$, and $47, 36.693, 303.718$ is the 20% darker color. If you saturate the color by 10%, you get $60, 49.759, 304.437$, and if you desaturate by 10%, it is $74, 23.936, 302.793$.

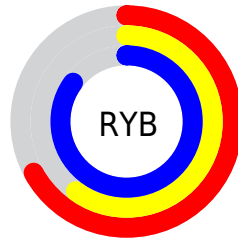
Distribution



Red (67%)

Green (60%)

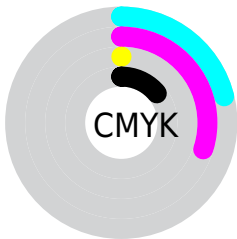
Blue (85%)



Red (67%)

Yellow (60%)

Blue (85%)

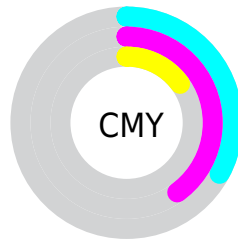


Cyan (21%)

Magenta (30%)

Yellow (0%)

Black (14%)



Cyan (33%)


Magenta (40%)


Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 36.655, 303.573 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 67, 36.655, 303.573 by changing the saturation by 10% instead.


 67, 36.655,
303.573


 67, 36.655,
303.573


 100, 36.655,
303.573


 57, 36.655,
303.573


 87, 36.655,
303.573

 47, 36.655,
303.573

 97, 36.655,
303.573

 37, 36.655,
303.573

 27, 36.655,
303.573

 17, 36.655,
303.573

 7, 36.655, 303.573

 0, 36.655, 303.573

67, 36.655,
303.573

67, 36.655,
303.573

60, 49.759,
304.437

74, 23.936,
302.793

54, 63.139,
305.367

80, 11.647,
302.102

47, 76.538,
306.322

87, 0.209, 121.734

42, 89.451,
307.218

94, 11.645,
120.981

37, 101.003,
307.921

99, 18.833,
115.266

33, 109.949,
308.248

99, 18.688,
108.764

30, 115.577,
308.133

30, 115.674,

Harmonies

Complementary

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



67, 36.655, 303.573



84, 34.502, 119.759

Rectangle

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



67, 36.655, 303.573



67, 36.655, 353.573



67, 36.655, 123.573



67, 36.655, 173.573

Sweetspot

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



67, 36.653, 303.573



93, 12.115, 302.054



78, 17.871, 232.210



49, 8.440, 302.150



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 36.653, 303.573



73, 50.808, 304.126



70, 39.730, 319.619



42, 6.766, 302.077



23, 97.324, 308.269



3, 30.161, 302.192

Inverse Universe

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



71, 34.328, 336.115



78, 46.931, 336.643



82, 39.141, 136.766



43, 6.520, 334.585



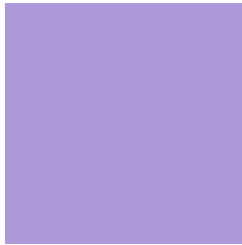
38, 69.533, 344.224



6, 28.169, 340.818

Previews

White Background



This preview shows how the CIELCh color 67, 36.655, 303.573 looks on a white background.

Color Contrast Check

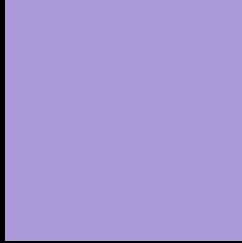
Large Text (above 18pt) WCAG AA × Fail

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 67, 36.655, 303.573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

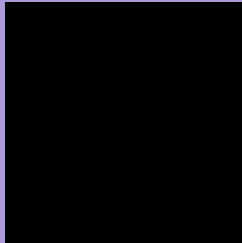
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 36.655, 303.573

Background



This preview shows how black text looks on a background with the CIELCh color 67, 36.655, 303.573.



This preview shows how white text looks on a background with the CIELCh color 67, 36.655, 303.573.

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



Original Color
67, 36.655, 303.573

Protanopia
67, 35.000, 285.013

Deuteranopia
67, 31.019, 286.766



Tritanopia
67, 7.297, 299.661

Trichromacy



Original Color
67, 36.655, 303.573

Protanomaly
67, 35.385, 291.668

Deuteranomaly
67, 32.639, 293.450

Tritanomaly
67, 18.070, 302.173

Monochromacy



Original Color
67, 36.655, 303.573

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 13.544, 302.278

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 36.655, 303.573 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(172, 153, 218)` looks like.

```
.text, #text, p{  
    color:rgb(172, 153, 218)  
}
```

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(172, 153, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 153, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 36.655, 303.573 is called "border". The border property can be set on classes, ids or directly on the HTML element.

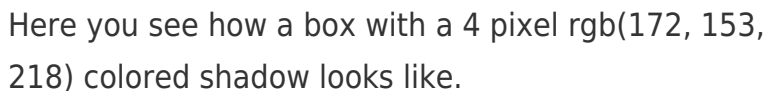
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 153, 218) }
```

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

```
.border{ border-color:rgb(172, 153, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(172, 153, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 153, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 153, 218); box-shadow:4px 4px 4px 4px rgb(172, 153, 218) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 36.655, 303.573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 153, 218) }
```

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

```
.background{ background-color: rgb(172,  
153, 218) }
```

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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