

Converting Colors

CIELCh(67, 26.987, 303.284)

Have a look what the booklet for
CIELCh(67, 26.987, 303.284)
contains.

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Color

CIELCh(67, 27.102, 303.043)

Conversions

Conversions Part 1

Format	Color
Hex	AA9CCC
RGB	170, 156, 204
RGB Percent	67%, 61%, 80%
CMY	0.3337, 0.3886, 0.2004
CMYK	0.17, 0.24, 0.00, 0.20
HSL	257°, 32%, 71%
HSV	257°, 24%, 80%
XYZ	39.3129, 36.6320, 62.0578
YIQ	165.6580, -7.0640, 17.8960

Conversions

Conversions Part 2

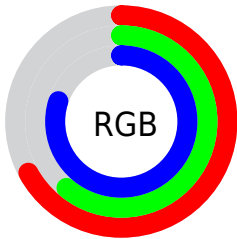
Format	Color
RYB	170, 156, 204
Decimal	11181260
CIELab	67.00, 14.78, -22.72
CIELCh	67, 27.102, 303.043
Yxy	36.6320, 0.2849, 0.2654
Android (android.graphics.Color)	4289371340 (0xFFAA9CCC)
YUV	165.6580, 18.9026, 3.8079
Hunter-Lab	60.5244, 10.0249, -18.4252

Details

The CIELCh color $67, 27.102, 303.043$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $80, 25.873, 120.111$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 23.715, 304.344$, and $47, 27.107, 302.657$ is the 20% darker color. If you saturate the color by 10%, you get $61, 39.283, 303.851$, and if you desaturate by 10%, it is $73, 15.314, 302.321$.

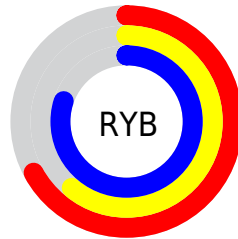
Distribution



Red (67%)

Green (61%)

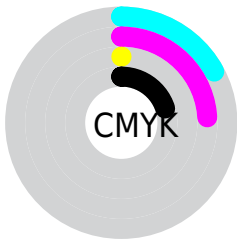
Blue (80%)



Red (67%)

Yellow (61%)

Blue (80%)

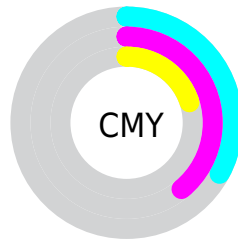


Cyan (17%)

Magenta (24%)

Yellow (0%)

Black (20%)



Cyan (33%)


Magenta (39%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 27.102, 303.043 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, 27.102, 303.043 by changing the saturation by 10% instead.


 67, 27.102,
303.043


 67, 27.102,
303.043


 100, 27.102,
303.043


 57, 27.102,
303.043


 87, 27.102,
303.043

 47, 27.102,
303.043

 97, 27.102,
303.043

 37, 27.102,
303.043

 27, 27.102,
303.043

 17, 27.102,
303.043

 7, 27.102, 303.043

 0, 27.102, 303.043

67, 27.102,
303.043

67, 27.102,
303.043

61, 39.283,
303.851

73, 15.314,
302.321

54, 51.804,
304.739

80, 3.937, 301.679

86, 7.038, 121.146

48, 64.519,
305.683

92, 17.627,
120.663

42, 77.120,
306.627

98, 26.286,
118.728

37, 89.022,
307.474

99, 25.789,
108.221

33, 99.270,
308.071

29, 106.643,
308.233

28, 109.957,

Harmonies

Complementary

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



67, 27.102, 303.043



80, 25.873, 120.111

Rectangle

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



67, 27.102, 303.043



67, 27.102, 353.043



67, 27.102, 123.043



67, 27.102, 173.043

Sweetspot

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



67, 27.100, 303.042



95, 9.390, 301.901



75, 13.616, 231.463



50, 6.108, 301.939



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, 27.100, 303.042



79, 38.982, 303.422



69, 29.631, 319.337



40, 6.373, 302.047



22, 94.105, 308.292



2, 23.871, 299.934

Inverse Universe

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



70, 25.677, 335.591



83, 36.635, 335.963



78, 29.278, 137.145



40, 6.146, 334.551



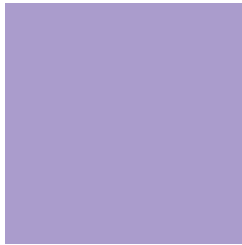
37, 67.327, 344.102



4, 22.885, 340.270

Previews

White Background



This preview shows how the CIELCh color 67, 27.102, 303.043 looks on a white background.

Color Contrast Check

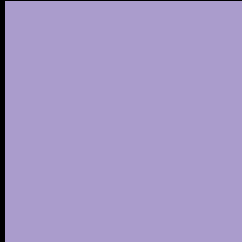
Large Text (above 18pt) WCAG AA × Fail

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, 27.102, 303.043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

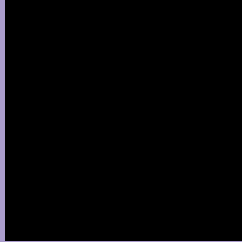
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 27.102, 303.043

Background



This preview shows how black text looks on a background with the CIELCh color 67, 27.102, 303.043.



This preview shows how white text looks on a background with the CIELCh color 67, 27.102, 303.043.

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, 27.102, 303.043

Protanopia

67, 26.093, 285.559

Deuteranopia

67, 23.778, 290.961



Tritanopia
67, 7.366, 302.510

Trichromacy



Original Color
67, 27.102, 303.043

Protanomaly
67, 26.557, 292.146

Deuteranomaly
67, 24.392, 295.039

Tritanomaly
67, 14.730, 302.929

Monochromacy



Original Color
67, 27.102, 303.043

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 10.139, 301.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 27.102, 303.043 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(170, 156, 204)` looks like.

```
.text, #text, p{  
    color:rgb(170, 156, 204)  
}
```

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(170, 156, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 156, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 27.102, 303.043 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(170, 156, 204) }
```

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

```
.border{ border-color:rgb(170, 156, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 156, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 156, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 156, 204);  
box-shadow:4px 4px 4px 4px rgb(170, 156,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 27.102, 303.043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 156, 204) }
```

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

```
.background{ background-color: rgb(170,  
156, 204) }
```

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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