

Converting Colors

CIELCh(67, 30.399, 302.563)

Have a look what the booklet for
CIELCh(67, 30.399, 302.563)
contains.

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Color

CIELCh(67, 30.435, 302.748)

Conversions

Conversions Part 1

Format	Color
Hex	AA9BD1
RGB	170, 155, 209
RGB Percent	67%, 61%, 82%
CMY	0.3330, 0.3918, 0.1801
CMYK	0.19, 0.26, 0.00, 0.18
HSL	257°, 37%, 71%
HSV	257°, 26%, 82%
XYZ	39.8490, 36.6320, 65.3467
YIQ	165.6410, -8.3940, 19.9740

Conversions

Conversions Part 2

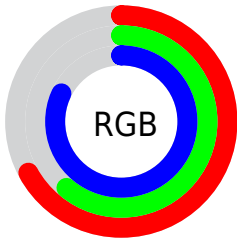
Format	Color
RYB	170, 155, 209
Decimal	11181009
CIELab	67.00, 16.46, -25.60
CIELCh	67, 30.435, 302.748
Yxy	36.6320, 0.2810, 0.2583
Android (android.graphics.Color)	4289371089 (0xFFAA9BD1)
YUV	165.6410, 21.3760, 3.8228
Hunter-Lab	60.5244, 11.6061, -21.6469

Details

The CIELCh color $67, 30.435, 302.748$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $82, 28.883, 119.415$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $86, 24.925, 305.403$, and $47, 30.089, 302.652$ is the 20% darker color. If you saturate the color by 10%, you get $60, 42.952, 303.604$, and if you desaturate by 10%, it is $74, 18.320, 301.984$.

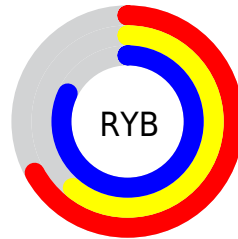
Distribution



Red (67%)

Green (61%)

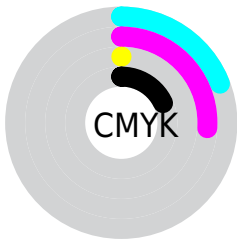
Blue (82%)



Red (67%)

Yellow (61%)

Blue (82%)

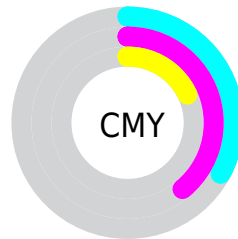


Cyan (19%)

Magenta (26%)

Yellow (0%)

Black (18%)



Cyan (33%)


Magenta (39%)

Yellow (18%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 30.435, 302.748 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, 30.435, 302.748 by changing the saturation by 10% instead.

 67, 30.435,
302.748


 67, 30.435,
302.748


 100, 30.435,
302.748


 57, 30.435,
302.748


 87, 30.435,
302.748

 47, 30.435,
302.748

 97, 30.435,
302.748

 37, 30.435,
302.748

 27, 30.435,
302.748

 17, 30.435,
302.748

 7, 30.435, 302.748

 0, 30.435, 302.748

67, 30.435,
302.748

67, 30.435,
302.748

60, 42.952,
303.604

74, 18.320,
301.984

54, 55.806,
304.542

80, 6.629, 301.309

87, 4.643, 120.739

48, 68.822,
305.533

93, 15.516,
120.227

42, 81.631,
306.512

98, 23.488,
116.959

37, 93.551,
307.367

99, 23.188,
108.420

32, 103.494,
307.927

29, 110.192,
308.005

28, 112.323,

307.979

Harmonies

Complementary

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



67, 30.435, 302.748



82, 28.883, 119.415

Rectangle

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



67, 30.435, 302.748



67, 30.435, 352.748



67, 30.435, 122.748



67, 30.435, 172.748

Sweetspot

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



67, 30.433, 302.747



94, 10.731, 301.455



76, 15.166, 229.458



49, 7.646, 301.555



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, 30.433, 302.747



76, 43.330, 303.210



69, 33.092, 318.925



41, 6.493, 301.541



22, 95.403, 308.109



2, 25.923, 300.226

Inverse Universe

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



70, 29.043, 335.194



81, 40.920, 335.617



80, 32.622, 136.527



41, 6.335, 333.999



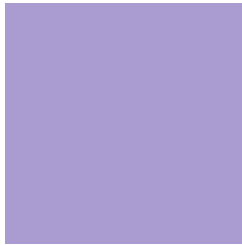
37, 68.696, 343.144



5, 25.114, 339.670

Previews

White Background



This preview shows how the CIELCh color 67, 30.435, 302.748 looks on a white background.

Color Contrast Check

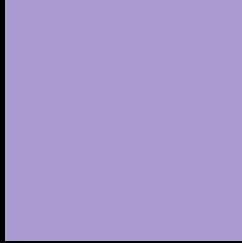
Large Text (above 18pt) WCAG AA × Fail

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, 30.435, 302.748 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, 30.435, 302.748

Background



This preview shows how black text looks on a background with the CIELCh color 67, 30.435, 302.748.



This preview shows how white text looks on a background with the CIELCh color 67, 30.435, 302.748.

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, 30.435, 302.748

Protanopia

67, 29.419, 285.576

Deuteranopia

67, 26.553, 289.285



Tritanopia
67, 6.688, 297.211

Trichromacy



Original Color
67, 30.435, 302.748

Protanomaly
67, 29.307, 291.846

Deuteranomaly
67, 27.708, 294.357

Tritanomaly
67, 15.750, 300.910

Monochromacy



Original Color
67, 30.435, 302.748

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 11.226, 300.621

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 30.435, 302.748 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, 155, 209)` looks like.

```
.text, #text, p{  
    color:rgb(170, 155, 209)  
}
```

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, 155, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 155, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 30.435, 302.748 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, 155, 209) }
```

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

```
.border{ border-color:rgb(170, 155, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 155, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 155, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 155, 209); box-shadow:4px 4px 4px 4px rgb(170, 155, 209) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 30.435, 302.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 155, 209) }
```

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

```
.background{ background-color: rgb(170,  
155, 209) }
```

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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