

Converting Colors

CIELCh(68, 12.340, 309.560)

Have a look what the booklet for
CIELCh(68, 12.340, 309.560)
contains.

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Color

CIELCh(68, 12.199, 308.750)

Conversions

Conversions Part 1

Format	Color
Hex	ACA2B7
RGB	172, 162, 183
RGB Percent	67%, 64%, 72%
CMY	0.3259, 0.3651, 0.2828
CMYK	0.06, 0.11, 0.00, 0.28
HSL	269°, 13%, 68%
HSV	269°, 11%, 72%
XYZ	38.4232, 37.9720, 50.0400
YIQ	167.3840, -0.7810, 8.6510

Conversions

Conversions Part 2

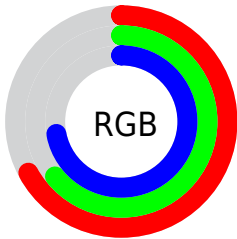
Format	Color
RYB	172, 162, 183
Decimal	11313847
CIELab	68.00, 7.64, -9.51
CIELCh	68, 12.199, 308.750
Yxy	37.9720, 0.3039, 0.3003
Android (android.graphics.Color)	4289503927 (0xFFACA2B7)
YUV	167.3840, 7.6987, 4.0482
Hunter-Lab	61.6215, 3.4635, -5.0117

Details

The CIELCh color $68, 12.199, 308.750$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $73, 11.995, 127.724$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $88, 12.070, 307.890$, and $48, 12.487, 309.740$ is the 20% darker color. If you saturate the color by 10%, you get $62, 23.146, 309.258$, and if you desaturate by 10%, it is $74, 1.556, 308.229$.

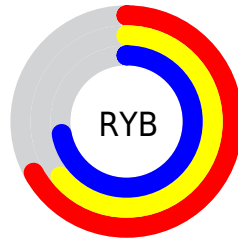
Distribution



Red (67%)

Green (64%)

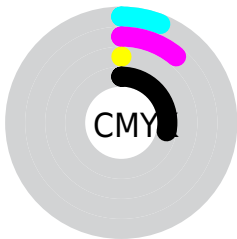
Blue (72%)



Red (67%)

Yellow (64%)

Blue (72%)

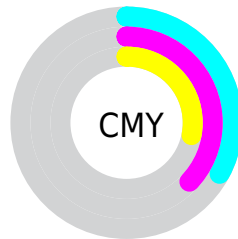


Cyan (6%)

Magenta (11%)

Yellow (0%)

Black (28%)



Cyan (33%)


Magenta (37%)


Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 12.199, 308.750 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, 12.199, 308.750 by changing the saturation by 10% instead.


 68, 12.199,
308.750


 68, 12.199,
308.750


 100, 12.199,
308.750


 58, 12.199,
308.750


 88, 12.199,
308.750

 48, 12.199,
308.750

 98, 12.199,
308.750

 38, 12.199,
308.750

 28, 12.199,
308.750

 18, 12.199,
308.750

 8, 12.199, 308.750

 0, 12.199, 308.750

68, 12.199,
308.750

68, 12.199,
308.750

62, 23.146,
309.258

74, 1.556, 308.229

57, 34.360,
309.803

79, 8.762, 127.893

52, 45.745,
310.369

85, 18.755,
127.519

46, 57.129,
310.929

90, 28.434,
127.193

41, 68.208,
311.435

96, 37.810,
126.909

37, 78.499,
311.816

97, 37.626,
122.337


33, 87.312,
311.968


97, 36.798,
116.978

30, 93.849,

98, 36.327,
111.331

311.774

 99, 36.227,
107.417

 28, 97.707,
311.376

Harmonies

Complementary

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



68, 12.199, 308.750



73, 11.995, 127.724

Rectangle

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



68, 12.199, 308.750



68, 12.199, 358.750



68, 12.199, 128.750



68, 12.199, 178.750

Sweetspot

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



68, 12.197, 308.748



92, 3.895, 308.332



70, 6.642, 253.231



49, 2.978, 308.375



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



68, 12.197, 308.748



84, 18.445, 308.885



69, 13.830, 324.131



36, 6.020, 308.643



23, 86.577, 311.517



2, 15.895, 304.117

Inverse Universe

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



69, 10.017, 343.287



85, 15.132, 343.534



72, 13.803, 142.919



36, 4.948, 343.097



33, 58.949, 359.170



3, 12.379, 349.417

Previews

White Background



This preview shows how the CIELCh color 68, 12.199, 308.750 looks on a white background.

Color Contrast Check

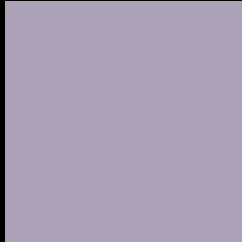
Large Text (above 18pt) WCAG AA × Fail

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, 12.199, 308.750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

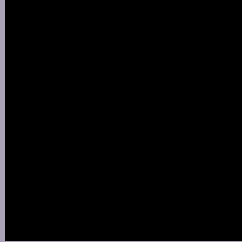
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 12.199, 308.750

Background



This preview shows how black text looks on a background with the CIELCh color 68, 12.199, 308.750.



This preview shows how white text looks on a background with the CIELCh color 68, 12.199, 308.750.

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


68, 12.199, 308.750

Protanopia

68, 11.030, 287.569

Deuteranopia

68, 13.100, 312.673



Tritanopia
68, 7.798, 313.278

Trichromacy



Original Color
68, 12.199, 308.750

Protanomaly
68, 11.064, 295.044

Deuteranomaly
68, 12.970, 311.149

Tritanomaly
68, 9.343, 309.451

Monochromacy



Original Color
68, 12.199, 308.750

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 4.675, 309.245

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 12.199, 308.750 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, 162, 183)` looks like.

```
.text, #text, p{  
    color:rgb(172, 162, 183)  
}
```

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, 162, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 162, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 12.199, 308.750 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, 162, 183) }
```

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

```
.border{ border-color:rgb(172, 162, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 162, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 162, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 162, 183);  
box-shadow:4px 4px 4px 4px rgb(172, 162,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 12.199, 308.750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 162, 183) }
```

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

```
.background{ background-color: rgb(172,  
162, 183) }
```

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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