

Converting Colors

CIELCh(68, 22.323, 303.396)

Have a look what the booklet for
CIELCh(68, 22.323, 303.396)
contains.

CIELCh(68, 22.010, 303.312)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(68, 22.010, 303.312)

Conversions

Conversions Part 1

Format	Color
Hex	ACA0C7
RGB	172, 160, 199
RGB Percent	67%, 63%, 78%
CMY	0.3260, 0.3730, 0.2201
CMYK	0.14, 0.20, 0.00, 0.22
HSL	258°, 26%, 70%
HSV	258°, 20%, 78%
XYZ	39.8281, 37.9720, 59.1834
YIQ	168.0340, -5.3670, 14.6730

Conversions

Conversions Part 2

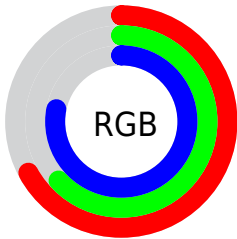
Format	Color
R_{YB}	172, 160, 199
Decimal	11313351
CIE _{Lab}	68.00, 12.09, -18.39
CIE _{LCh}	68, 22.010, 303.312
Yxy	37.9720, 0.2908, 0.2772
Android (android.graphics.Color)	4289503431 (0xFFACA0C7)
YUV	168.0340, 15.2662, 3.4782
Hunter-Lab	61.6215, 7.5332, -13.8091

Details

The CIELCh color `68, 22.010, 303.312` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `78, 21.202, 120.978`, and the grayscale version is `69, 0.009, 296.813`.

A 20% lighter version of the original color is `88, 21.456, 303.675`, and `48, 21.645, 302.613` is the 20% darker color. If you saturate the color by 10%, you get `62, 33.807, 304.058`, and if you desaturate by 10%, it is `74, 10.598, 302.645`.

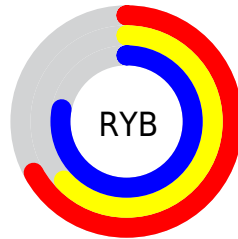
Distribution



Red (67%)

Green (63%)

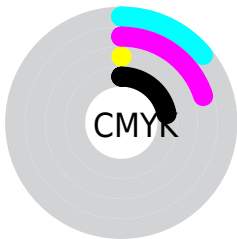
Blue (78%)



Red (67%)

Yellow (63%)

Blue (78%)

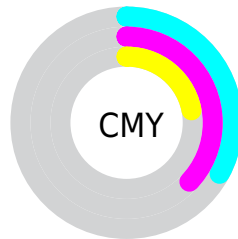


Cyan (14%)

Magenta (20%)

Yellow (0%)

Black (22%)



Cyan (33%)


Magenta (37%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 22.010, 303.312 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, 22.010, 303.312 by changing the saturation by 10% instead.

 68, 22.010,
303.312


 68, 22.010,
303.312


 100, 22.010,
303.312


 58, 22.010,
303.312


 88, 22.010,
303.312

 48, 22.010,
303.312

 98, 22.010,
303.312

 38, 22.010,
303.312

 28, 22.010,
303.312

 18, 22.010,
303.312

 8, 22.010, 303.312

 0, 22.010, 303.312

68, 22.010,
303.312

68, 22.010,
303.312

62, 33.807,
304.058

74, 10.598,
302.645

56, 45.955,
304.884

80, 0.417, 122.189

50, 58.346,
305.769

87, 11.047,
121.564

44, 70.748,
306.674

93, 21.310,
121.122

38, 82.711,
307.521

98, 28.859,
118.693

34, 93.459,
308.182

99, 28.300,
108.420

30, 101.889,
308.487

99, 28.298,
108.028

27, 107.406,

308.382

■ 27, 107.610,
308.381

Harmonies

Complementary

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



68, 22.010, 303.312



78, 21.202, 120.978

Rectangle

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



68, 22.010, 303.312



68, 22.010, 353.312



68, 22.010, 123.312



68, 22.010, 173.312

Sweetspot

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



68, 22.008, 303.311



95, 8.053, 302.428



74, 11.229, 233.271



50, 5.347, 302.469



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, 22.008, 303.311



82, 33.236, 303.655



70, 24.234, 319.671



39, 6.255, 302.631



21, 92.767, 308.513



2, 21.824, 299.805

Inverse Universe

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



70, 20.702, 335.964



85, 31.052, 336.328



77, 24.009, 137.853



39, 5.950, 335.204



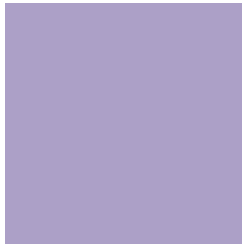
36, 65.904, 345.240



4, 20.432, 341.048

Previews

White Background



This preview shows how the CIELCh color 68, 22.010, 303.312 looks on a white background.

Color Contrast Check

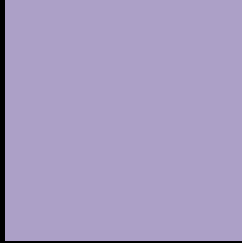
Large Text (above 18pt) WCAG AA × Fail

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, 22.010, 303.312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

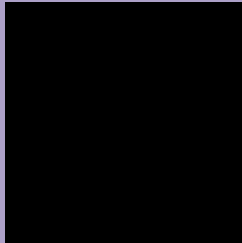
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 22.010, 303.312

Background



This preview shows how black text looks on a background with the CIELCh color 68, 22.010, 303.312.



This preview shows how white text looks on a background with the CIELCh color 68, 22.010, 303.312.

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, 22.010, 303.312

Protanopia

68, 21.019, 285.798

Deuteranopia

68, 19.943, 296.176



Tritanopia
68, 7.342, 302.503

Trichromacy



Original Color
68, 22.010, 303.312

Protanomaly
68, 20.951, 291.348

Deuteranomaly
68, 20.622, 299.026

Tritanomaly
68, 12.363, 301.517

Monochromacy



Original Color
68, 22.010, 303.312

Achromatopsia
69, 0.009, 296.813

Achromatomaly
68, 7.873, 301.724

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 22.010, 303.312 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, 160, 199)` looks like.

```
.text, #text, p{  
    color:rgb(172, 160, 199)  
}
```

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, 160, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 160, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 22.010, 303.312 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, 160, 199) }
```

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

```
.border{ border-color:rgb(172, 160, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 160, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 160, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 160, 199);  
box-shadow:4px 4px 4px 4px rgb(172, 160,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 22.010, 303.312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 160, 199) }
```

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

```
.background{ background-color: rgb(172,  
160, 199) }
```

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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