

Converting Colors

CIELCh(68, 10.523, 309.384)

Have a look what the booklet for
CIELCh(68, 10.523, 309.384)
contains.

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Color

CIELCh(68, 10.516, 309.501)

Conversions

Conversions Part 1

Format	Color
Hex	ABA2B4
RGB	171, 162, 180
RGB Percent	67%, 64%, 71%
CMY	0.3280, 0.3633, 0.2927
CMYK	0.05, 0.10, 0.00, 0.29
HSL	270°, 11%, 67%
HSV	270°, 10%, 71%
XYZ	38.1288, 37.9720, 48.6911
YIQ	166.7430, -0.4140, 7.5060

Conversions

Conversions Part 2

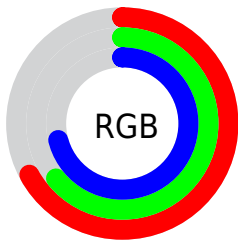
Format	Color
RYB	171, 162, 180
Decimal	11248308
CIELab	68.00, 6.69, -8.11
CIELCh	68, 10.516, 309.501
Yxy	37.9720, 0.3055, 0.3043
Android (android.graphics.Color)	4289438388 (0xFFABA2B4)
YUV	166.7430, 6.5357, 3.7334
Hunter-Lab	61.6215, 2.6108, -3.7138

Details

The CIELCh color $68, 10.516, 309.501$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $72, 10.366, 128.641$, and the grayscale version is $69, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 10.470, 308.502$, and $48, 10.693, 310.649$ is the 20% darker color. If you saturate the color by 10%, you get $63, 21.337, 309.988$, and if you desaturate by 10%, it is $73, 0.010, 140.495$.

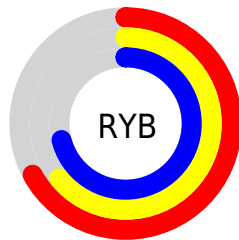
Distribution



Red (67%)

Green (64%)

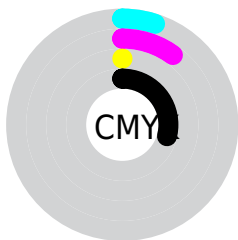
Blue (71%)



Red (67%)

Yellow (64%)

Blue (71%)

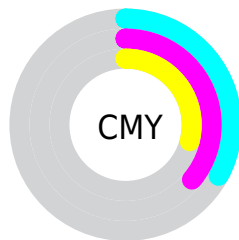


Cyan (5%)

Magenta (10%)

Yellow (0%)

Black (29%)



Cyan (33%)


Magenta (36%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 10.516, 309.501 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, 10.516, 309.501 by changing the saturation by 10% instead.


 68, 10.516,
309.501


 68, 10.516,
309.501


 100, 10.516,
309.501


 58, 10.516,
309.501


 88, 10.516,
309.501

 48, 10.516,
309.501


 98, 10.516,
309.501

 38, 10.516,
309.501

 28, 10.516,
309.501

 18, 10.516,
309.501

 8, 10.516, 309.501

 0, 10.516, 309.501

68, 10.516,
309.501

68, 10.516,
309.501

63, 21.337,
309.988

73, 0.010, 140.495

57, 32.416,
310.508

79, 10.217,
128.678

52, 43.662,
311.046

84, 20.109,
128.318

47, 54.910,
311.577

90, 29.693,
128.003

42, 65.875,
312.056

95, 38.980,
127.727

37, 76.105,
312.418

96, 39.251,
123.837

34, 84.957,
312.568

97, 38.360,
119.065

30, 91.674,

98, 37.761,
114.018

312.396

■ 98, 37.486,
108.778

■ 28, 96.193,
311.916

Harmonies

Complementary

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



68, 10.516, 309.501



72, 10.366, 128.641

Rectangle

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



68, 10.516, 309.501



68, 10.516, 359.501



68, 10.516, 129.501



68, 10.516, 179.501

Sweetspot

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



68, 10.514, 309.499



91, 3.880, 309.163



70, 5.788, 254.921



48, 2.941, 309.205



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



68, 10.514, 309.499



85, 15.699, 309.605



69, 11.942, 324.508



35, 5.909, 309.467



23, 85.090, 312.062



1, 13.840, 305.231

Inverse Universe

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



69, 8.462, 344.430



86, 12.628, 344.634



72, 11.922, 143.449



35, 4.756, 344.369



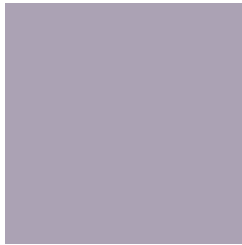
32, 57.951, 1.310



2, 10.605, 349.860

Previews

White Background



This preview shows how the CIELCh color 68, 10.516, 309.501 looks on a white background.

Color Contrast Check

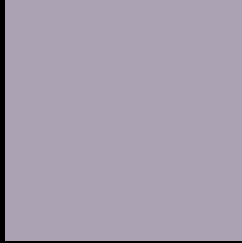
Large Text (above 18pt) WCAG AA × Fail

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, 10.516, 309.501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

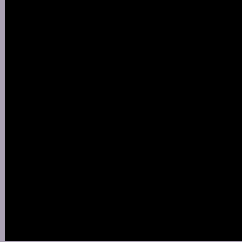
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

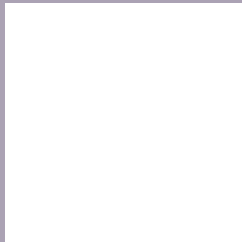
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 10.516, 309.501

Background



This preview shows how black text looks on a background with the CIELCh color 68, 10.516, 309.501.



This preview shows how white text looks on a background with the CIELCh color 68, 10.516, 309.501.

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, 10.516, 309.501

Protanopia

68, 9.369, 288.919

Deuteranopia

68, 12.238, 316.178



Tritanopia
68, 7.798, 313.278

Trichromacy



Original Color
68, 10.516, 309.501

Protanomaly
68, 9.456, 297.776

Deuteranomaly
68, 12.086, 314.572

Tritanomaly
68, 8.824, 310.571

Monochromacy



Original Color
68, 10.516, 309.501

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 4.158, 311.661

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 10.516, 309.501 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(171, 162, 180)` looks like.

```
.text, #text, p{  
    color:rgb(171, 162, 180)  
}
```

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(171, 162, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 162, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 10.516, 309.501 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(171, 162, 180) }
```

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

```
.border{ border-color:rgb(171, 162, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 162, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 162, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 162, 180);  
box-shadow:4px 4px 4px 4px rgb(171, 162,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 10.516, 309.501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 162, 180) }
```

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

```
.background{ background-color: rgb(171,  
162, 180) }
```

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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