

Converting Colors

CIELCh(68, 16.184, 136.579)

Have a look what the booklet for
CIELCh(68, 16.184, 136.579)
contains.

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Color

CIELCh(68, 16.103, 136.032)

Conversions

Conversions Part 1

Format	Color
Hex	98AB91
RGB	152, 171, 145
RGB Percent	60%, 67%, 57%
CMY	0.4030, 0.3284, 0.4304
CMYK	0.11, 0.00, 0.15, 0.33
HSL	104°, 13%, 62%
HSV	104°, 15%, 67%
XYZ	32.7352, 37.9720, 32.4906
YIQ	162.3550, -2.9780, -12.1140

Conversions

Conversions Part 2

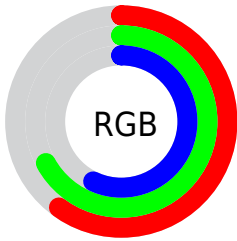
Format	Color
RYB	145, 171, 164
Decimal	10005393
CIELab	68.00, -11.59, 11.18
CIElCh	68, 16.103, 136.032
Yxy	37.9720, 0.3172, 0.3680
Android (android.graphics.Color)	4288195473 (0xFF98AB91)
YUV	162.3550, -8.5560, -9.0813
Hunter-Lab	61.6215, -13.0129, 11.8737

Details

The CIELCh color **68, 16.103, 136.032** is a light color, and the websafe version is hex **999999**. A complement of this color would be **63, 16.271, 317.327**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 15.903, 136.486**, and **48, 15.988, 136.397** is the 20% darker color. If you saturate the color by 10%, you get **67, 26.750, 135.517**, and if you desaturate by 10%, it is **69, 5.473, 136.513**.

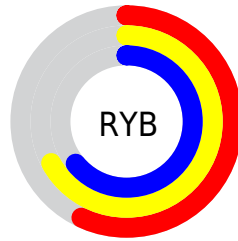
Distribution



Red (60%)

Green (67%)

Blue (57%)



Red (57%)

Yellow (67%)

Blue (64%)

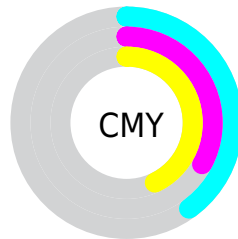


Cyan (11%)

Magenta (0%)

Yellow (15%)

Black (33%)



Cyan (40%)


Magenta (33%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 16.103, 136.032 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, 16.103, 136.032 by changing the saturation by 10% instead.


 68, 16.103,
136.032


 68, 16.103,
136.032


 100, 16.103,
136.032


 58, 16.103,
136.032


 88, 16.103,
136.032

 48, 16.103,
136.032

 98, 16.103,
136.032

 38, 16.103,
136.032

 28, 16.103,
136.032

 18, 16.103,
136.032

 8, 16.103, 136.032

 0, 16.103, 136.032

68, 16.103,
136.032

68, 16.103,
136.032

67, 26.750,
135.517

69, 5.473, 136.513

66, 37.292,
134.960

71, 5.060, 316.855

65, 47.569,
134.378

72, 15.435,
317.232

64, 57.355,
133.811

74, 25.611,
317.544

63, 66.349,
133.324

76, 35.564,
317.812

62, 74.156,
133.017

78, 45.276,
318.040


62, 80.330,
133.014


79, 50.113,
320.862

62, 84.526,

80, 51.923,
325.322

133.411

 81, 52.338,
326.230

 61, 86.114,
133.616

Harmonies

Complementary

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



68, 16.103, 136.032



63, 16.271, 317.327

Rectangle

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



68, 16.103, 136.032



68, 16.103, 186.032



68, 16.103, 316.032



68, 16.103, 6.032

Sweetspot

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



68, 16.105, 136.033



88, 6.510, 136.518



67, 10.642, 93.081



47, 4.480, 136.485



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



68, 16.105, 136.033



85, 23.579, 135.877



68, 15.047, 150.110



36, 6.049, 136.317



54, 78.164, 133.490



6, 12.947, 138.224

Inverse Universe

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



63, 16.271, 317.327



78, 23.866, 317.463



63, 15.107, 332.053



34, 6.093, 317.070



28, 80.277, 318.494



2, 12.474, 313.958

Previews

White Background



This preview shows how the CIELCh color 68, 16.103, 136.032 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, 16.103, 136.032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

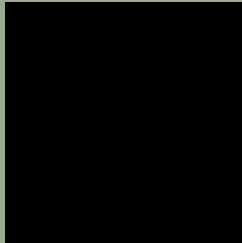
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 16.103, 136.032

Background



This preview shows how black text looks on a background with the CIELCh color 68, 16.103, 136.032.



This preview shows how white text looks on a background with the CIELCh color 68, 16.103, 136.032.

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, 16.103, 136.032

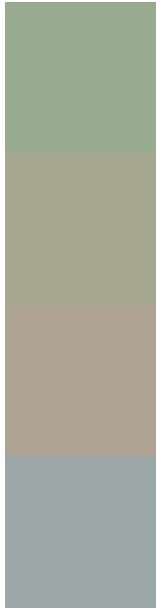
Protanopia
68, 13.113, 92.838

Deuteranopia
68, 13.187, 47.377



Tritanopia
68, 8.178, 270.287

Trichromacy



Original Color
68, 16.103, 136.032

Protanomaly
68, 13.146, 110.547

Deuteranomaly
68, 10.005, 80.697

Tritanomaly
68, 4.509, 192.093

Monochromacy



Original Color
68, 16.103, 136.032

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 5.654, 137.940

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 16.103, 136.032 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(152, 171, 145)` looks like.

```
.text, #text, p{  
    color:rgb(152, 171, 145)  
}
```

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(152, 171, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 171, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 16.103, 136.032 is called "border". The border property can be set on classes, ids or directly on the HTML element.

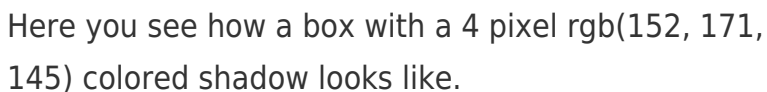
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(152, 171, 145) }
```

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

```
.border{ border-color:rgb(152, 171, 145) }
```

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



Here you see how a box with a 4 pixel `rgb(152, 171, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 171, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 171, 145); box-shadow:4px 4px 4px 4px rgb(152, 171, 145) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 16.103, 136.032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 171, 145) }
```

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

```
.background{ background-color: rgb(152,  
171, 145) }
```

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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