

Converting Colors

CIELCh(68, 16.456, 102.845)

Have a look what the booklet for
CIELCh(68, 16.456, 102.845)
contains.

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Color

CIELCh(68, 16.473, 102.834)

Conversions

Conversions Part 1

Format	Color
Hex	ABA789
RGB	171, 167, 137
RGB Percent	67%, 65%, 54%
CMY	0.3304, 0.3461, 0.4637
CMYK	0.00, 0.02, 0.20, 0.33
HSL	53°, 17%, 60%
HSV	53°, 20%, 67%
XYZ	35.0081, 37.9720, 29.0586
YIQ	164.7760, 12.0140, -8.4820

Conversions

Conversions Part 2

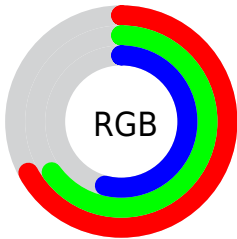
Format	Color
RYB	142, 171, 137
Decimal	11249545
CIELab	68.00, -3.66, 16.06
CIElCh	68, 16.473, 102.834
Yxy	37.9720, 0.3431, 0.3721
Android (android.graphics.Color)	4289439625 (0xFFABA789)
YUV	164.7760, -13.6936, 5.4584
Hunter-Lab	61.6215, -6.4290, 15.1758

Details

The CIELCh color **68, 16.473, 102.834** is a light color, and the websafe version is hex **999966**. A complement of this color would be **59, 17.028, 287.337**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 16.704, 102.260**, and **48, 16.393, 103.317** is the 20% darker color. If you saturate the color by 10%, you get **67, 24.717, 101.759**, and if you desaturate by 10%, it is **69, 8.191, 103.899**.

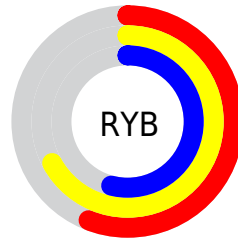
Distribution



Red (67%)

Green (65%)

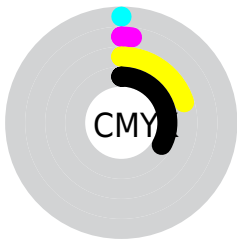
Blue (54%)



Red (56%)

Yellow (67%)

Blue (54%)

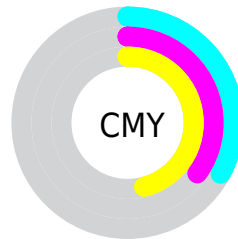


Cyan (0%)

Magenta (2%)

Yellow (20%)

Black (33%)



Cyan (33%)


Magenta (35%)


Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 16.473, 102.834 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, 16.473, 102.834 by changing the saturation by 10% instead.

 68, 16.473,
102.834


 68, 16.473,
102.834


 100, 16.473,
102.834


 58, 16.473,
102.834


 88, 16.473,
102.834

 48, 16.473,
102.834

 98, 16.473,
102.834

 38, 16.473,
102.834

 28, 16.473,
102.834

 18, 16.473,
102.834

 8, 16.473, 102.834

 0, 16.473, 102.834

68, 16.473,
102.834

68, 16.473,
102.834

67, 24.717,
101.759

69, 8.191, 103.899

66, 32.843,
100.672

70, 0.087, 286.127

71, 8.332, 285.971

66, 40.726, 99.591

72, 16.529,
286.934

65, 48.162, 98.532

73, 24.669,
287.860

64, 54.836, 97.510

63, 60.302, 96.537

74, 32.744,
288.742

63, 64.055, 95.613

75, 40.073,
289.436

62, 66.148, 94.723

62, 66.167, 94.714

76, 38.967,
288.282

■ 76, 37.877,
287.065

Harmonies

Complementary

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



68, 16.473, 102.834



59, 17.028, 287.337

Rectangle

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



68, 16.473, 102.834



68, 16.473, 152.834



68, 16.473, 282.834



68, 16.473, 332.834

Sweetspot

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



68, 16.474, 102.840



88, 6.133, 104.290



60, 13.868, 10.325



47, 4.102, 104.227



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, 16.474, 102.840



86, 24.571, 102.353



68, 19.216, 123.259



35, 4.624, 103.965



54, 59.588, 94.819



5, 8.091, 102.755

Inverse Universe

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



59, 17.028, 287.337



72, 25.608, 287.991



59, 19.890, 305.388



33, 4.700, 285.976



18, 83.032, 304.293



1, 8.609, 285.751

Previews

White Background



This preview shows how the CIELCh color 68, 16.473, 102.834 looks on a white background.

Color Contrast Check

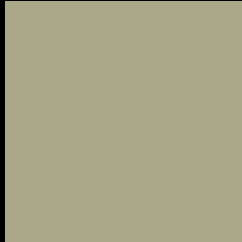
Large Text (above 18pt) WCAG AA × Fail

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 68, 16.473, 102.834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

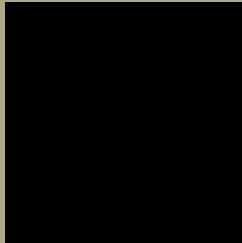
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 16.473, 102.834

Background



This preview shows how black text looks on a background with the CIELCh color 68, 16.473, 102.834.



This preview shows how white text looks on a background with the CIELCh color 68, 16.473, 102.834.

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, 16.473, 102.834

Protanopia

68, 16.399, 94.133

Deuteranopia

68, 17.633, 60.688



Tritanopia
68, 8.487, 329.045

Trichromacy



Original Color
68, 16.473, 102.834

Protanomaly
68, 16.654, 98.629

Deuteranomaly
68, 16.015, 74.600

Tritanomaly
68, 4.435, 49.219

Monochromacy



Original Color
68, 16.473, 102.834

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 6.042, 105.862

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 16.473, 102.834 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, 167, 137)` looks like.

```
.text, #text, p{  
    color:rgb(171, 167, 137)  
}
```

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, 167, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 167, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 16.473, 102.834 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, 167, 137) }
```

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

```
.border{ border-color:rgb(171, 167, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 167, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 167, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 167, 137); box-shadow:4px 4px 4px 4px rgb(171, 167, 137) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 16.473, 102.834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 167, 137) }
```

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

```
.background{ background-color: rgb(171,  
167, 137) }
```

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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