

Converting Colors

CIELCh(68, 34.575, 97.973)

Have a look what the booklet for
CIELCh(68, 34.575, 97.973) contains.

| | |
|--|----|
| CIELCh(68, 34.953, 98.057) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 11 |
| <i>Previews</i> | 20 |
| <i>Color Blindness Simulation</i> | 23 |
| <i>CSS Examples</i> | 26 |

Color

CIELCh(68, 34.953, 98.057)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B3A767 |
| RGB | 179, 167, 103 |
| RGB Percent | 70%, 65%, 40% |
| CMY | 0.2999, 0.3468, 0.5977 |
| CMYK | 0.00, 0.07, 0.43, 0.30 |
| HSL | 51°, 33%, 55% |
| HSV | 51°, 43%, 70% |
| XYZ | 34.6460, 37.9720, 18.2241 |
| YIQ | 163.2920, 27.6960, -17.3600 |

Conversions

Conversions Part 2

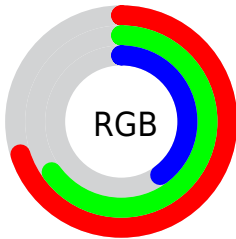
| Format | Color |
|-------------------------------------|--|
| RYB | 117, 179, 103 |
| Decimal | 11773799 |
| CIELab | 68.00, -4.90, 34.61 |
| CIElCh | 68, 34.953, 98.057 |
| Yxy | 37.9720, 0.3814, 0.4180 |
| Android (android.graphics.Color) | 4289963879 (0xFFB3A767) |
| YUV | 163.2920, -29.7240, 13.7759 |
| Hunter-Lab | 61.6215, -7.4778, 25.6004 |

Details

The CIELCh color **68, 34.953, 98.057** is a light color, and the websafe version is hex **999966**. A complement of this color would be **50, 37.482, 289.220**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 34.979, 98.033**, and **48, 34.983, 97.645** is the 20% darker color. If you saturate the color by 10%, you get **67, 42.834, 96.908**, and if you desaturate by 10%, it is **69, 26.826, 99.211**.

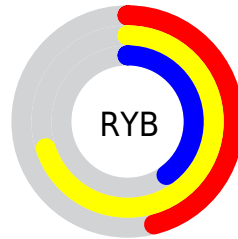
Distribution



Red (70%)

Green (65%)

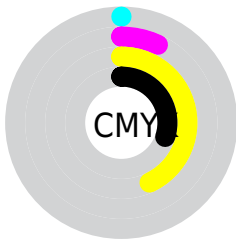
Blue (40%)



Red (46%)

Yellow (70%)

Blue (40%)

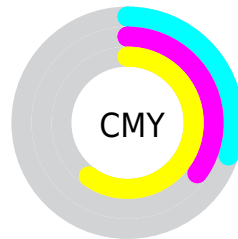


Cyan (0%)

Magenta (7%)

Yellow (43%)

Black (30%)



Cyan (30%)

Magenta (35%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 34.953, 98.057 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, 34.953, 98.057 by changing the saturation by 10% instead.

68, 34.953, 98.057

68, 34.953, 98.057

100, 34.953,
98.057

58, 34.953, 98.057

88, 34.953, 98.057

48, 34.953, 98.057

98, 34.953, 98.057

38, 34.953, 98.057

28, 34.953, 98.057

18, 34.953, 98.057

8, 34.953, 98.057

0, 34.953, 98.057

68, 34.953, 98.057

68, 34.953, 98.057

67, 42.834, 96.908

69, 26.826, 99.211

66, 50.236, 95.762

70, 18.589,
100.348

65, 56.801, 94.628

71, 10.325,
101.460

64, 62.022, 93.501

63, 65.348, 92.356

72, 2.081, 102.501

63, 66.796, 91.486

74, 6.115, 283.633

75, 14.250,
284.634

76, 22.314,
285.600

78, 30.306,
286.521

79, 33.878,
286.099

Harmonies

Complementary

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



68, 34.953, 98.057



50, 37.482, 289.220

Rectangle

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



68, 34.953, 98.057



68, 34.953, 148.057



68, 34.953, 278.057



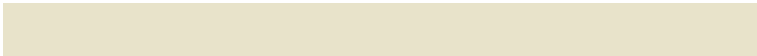
68, 34.953, 328.057

Sweetspot

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



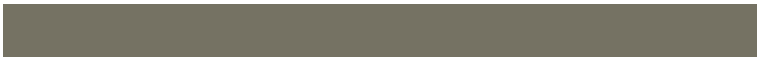
68, 34.954, 98.061



90, 13.245, 101.386



52, 32.556, 11.112



48, 9.348, 101.144



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, 34.954, 98.061



85, 51.489, 96.985



69, 41.756, 120.746



37, 4.656, 101.810



54, 59.673, 91.641



7, 10.472, 98.730

Inverse Universe

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



50, 37.482, 289.220



58, 56.556, 291.252



49, 45.467, 305.914



35, 4.722, 283.910



20, 82.421, 303.355



1, 11.734, 284.726

Previews

White Background



This preview shows how the CIELCh color 68, 34.953, 98.057 looks on a white background.

Color Contrast Check

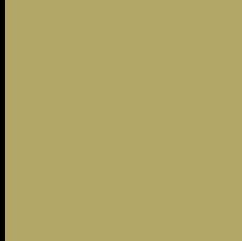
Large Text (above 18pt) WCAG AA × Fail

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, 34.953, 98.057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

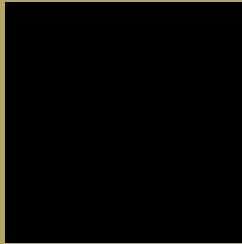
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 34.953, 98.057

Background



This preview shows how black text looks on a background with the CIELCh color 68, 34.953, 98.057.



This preview shows how white text looks on a background with the CIELCh color 68, 34.953, 98.057.

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, 34.953, 98.057

Protanopia

68, 35.222, 95.937

Deuteranopia

68, 35.169, 75.528



Tritanopia
68, 12.861, 346.917

Trichromacy



Original Color
68, 34.953, 98.057

Protanomaly
68, 35.137, 96.632

Deuteranomaly
68, 34.566, 83.801

Tritanomaly
68, 12.131, 62.461

Monochromacy



Original Color
68, 34.953, 98.057

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 12.778, 99.819

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 34.953, 98.057 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(179, 167, 103)` looks like.

```
.text, #text, p{  
    color:rgb(179, 167, 103)  
}
```

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(179, 167, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 167, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 34.953, 98.057 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(179, 167, 103) }
```

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

```
.border{ border-color:rgb(179, 167, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 167, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 167, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 167, 103);  
box-shadow:4px 4px 4px 4px rgb(179, 167,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 34.953, 98.057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 167, 103) }
```

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

```
.background{ background-color: rgb(179,  
167, 103) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor