

# Converting Colors

CIELCh(68, 36.458, 120.020)

Have a look what the booklet for  
CIELCh(68, 36.458, 120.020)  
contains.

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**Color**

**CIELCh(68, 36.511, 120.376)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	99AE6C
RGB	153, 174, 108
RGB Percent	60%, 68%, 42%
CMY	0.4012, 0.3188, 0.5776
CMYK	0.12, 0.00, 0.38, 0.32
HSL	79°, 29%, 55%
HSV	79°, 38%, 68%
XYZ	30.8469, 37.9720, 19.8102
YIQ	160.1970, 8.6700, -24.9780

# Conversions

## Conversions Part 2

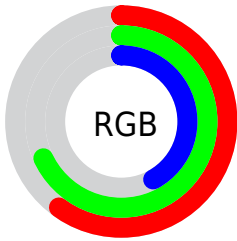
Format	Color
<a href="#">RYB</a>	108, 174, 129
Decimal	10071660
CIELab	68.00, -18.46, 31.50
CIElCh	68, 36.511, 120.376
Yxy	37.9720, 0.3480, 0.4284
Android (android.graphics.Color)	4288261740 (0xFF99AE6C)
YUV	160.1970, -25.7331, -6.3118
Hunter-Lab	61.6215, -18.4827, 24.0743

# Details

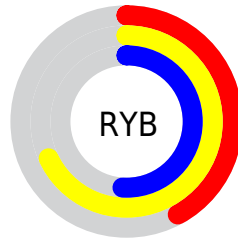
The CIELCh color **68, 36.511, 120.376** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **50, 39.393, 305.058**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 36.911, 120.601**, and **48, 36.785, 120.399** is the 20% darker color. If you saturate the color by 10%, you get **67, 45.624, 119.874**, and if you desaturate by 10%, it is **69, 27.078, 120.930**.

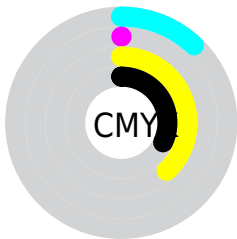
# Distribution



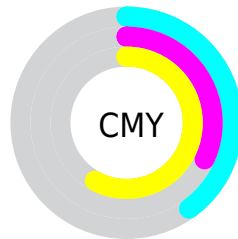
- Red (60%)
- Green (68%)
- Blue (42%)



- Red (42%)
- Yellow (68%)
- Blue (51%)



- Cyan (12%)
- Magenta (0%)
- Yellow (38%)
- Black (32%)




- Cyan (40%)
- Magenta (32%)
- Yellow (58%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 36.511, 120.376 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, 36.511, 120.376 by changing the saturation by 10% instead.





 68, 36.511,  
120.376


 68, 36.511,  
120.376


 100, 36.511,  
120.376


 58, 36.511,  
120.376


 88, 36.511,  
120.376


 48, 36.511,  
120.376


 98, 36.511,  
120.376

 38, 36.511,  
120.376

 28, 36.511,  
120.376

 18, 36.511,  
120.376

 8, 36.511, 120.376

 0, 36.511, 120.376

68, 36.511,  
120.376

68, 36.511,  
120.376

67, 45.624,  
119.874

69, 27.078,  
120.930

67, 54.203,  
119.468

69, 17.461,  
121.497

66, 61.950,  
119.234

70, 7.759, 122.060

66, 68.470,  
119.268

71, 1.964, 302.568

65, 73.348,  
119.682

72, 11.661,  
303.101

65, 76.477,  
120.511

73, 21.298,  
303.584

65, 77.044,  
120.684

74, 30.852,  
304.031

75, 40.304,  
304.445

■ 76, 44.958,  
305.807

# Harmonies

# Complementary

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



68, 36.511, 120.376



50, 39.393, 305.058

# Rectangle

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



68, 36.511, 120.376



68, 36.511, 170.376



68, 36.511, 300.376



68, 36.511, 350.376

# Sweetspot

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



68, 36.512, 120.378



89, 13.282, 121.881



58, 23.265, 51.216



48, 8.996, 121.806



96, 0.011, 296.813



48, 0.006, 296.813





# Same Dimension

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



68, 36.512, 120.378



86, 54.443, 119.929



66, 41.763, 137.194



36, 5.492, 121.987



57, 69.234, 120.513



6, 11.829, 125.877



# Inverse Universe

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



50, 39.393, 305.058



59, 60.024, 305.801



53, 42.374, 320.968



34, 5.591, 303.009



19, 87.153, 308.724



1, 11.553, 300.273



# Previews

## White Background



This preview shows how the CIELCh color 68, 36.511, 120.376 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, 36.511, 120.376 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

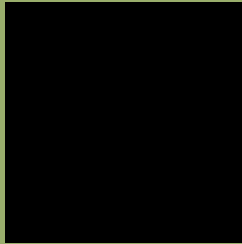
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 68, 36.511, 120.376

## Background



This preview shows how black text looks on a background with the CIELCh color 68, 36.511, 120.376.

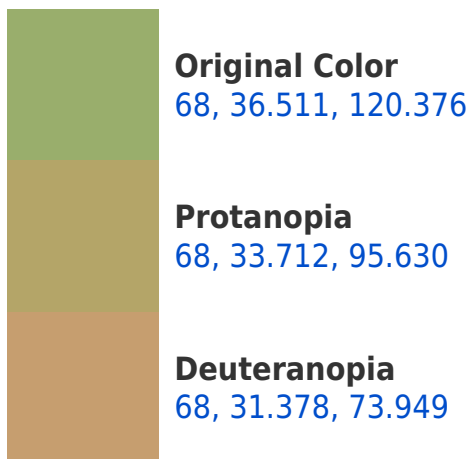


This preview shows how white text looks on a background with the CIELCh color 68, 36.511, 120.376.


# 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







**Tritanopia**  
68, 7.230, 282.208

# Trichromacy



**Original Color**  
68, 36.511, 120.376

**Protanomaly**  
68, 33.997, 105.190

**Deuteranomaly**  
68, 30.437, 92.397

**Tritanomaly**  
68, 9.475, 130.836

# Monochromacy



**Original Color**  
68, 36.511, 120.376

**Achromatopsia**  
66, 0.008, 296.813

**Achromatomaly**  
67, 13.583, 122.275

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 36.511, 120.376 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(153, 174, 108)` looks like.

```
.text, #text, p{  
    color:rgb(153, 174, 108)  
}
```

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(153, 174, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 174, 108) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 36.511, 120.376 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(153, 174, 108) }
```

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

```
.border{ border-color:rgb(153, 174, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 174, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 174, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 174, 108);  
box-shadow:4px 4px 4px 4px rgb(153, 174,  
108) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 36.511, 120.376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 174, 108) }
```

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

```
.background{ background-color: rgb(153,  
174, 108) }
```

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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