

Converting Colors

CIELCh(68, 36.586, 120.997)

Have a look what the booklet for
CIELCh(68, 36.586, 120.997)
contains.

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Color

CIELCh(68, 36.618, 120.987)

Conversions

Conversions Part 1

Format	Color
Hex	98AE6C
RGB	152, 174, 108
RGB Percent	60%, 68%, 42%
CMY	0.4044, 0.3181, 0.5769
CMYK	0.13, 0.00, 0.38, 0.32
HSL	80°, 29%, 55%
HSV	80°, 38%, 68%
XYZ	30.7420, 37.9720, 19.8663
YIQ	159.8980, 8.0740, -25.1900

Conversions

Conversions Part 2

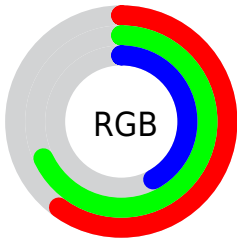
Format	Color
RYB	108, 174, 130
Decimal	10006124
CIELab	68.00, -18.85, 31.39
CIELCh	68, 36.618, 120.987
Yxy	37.9720, 0.3471, 0.4287
Android (android.graphics.Color)	4288196204 (0xFF98AE6C)
YUV	159.8980, -25.5857, -6.9265
Hunter-Lab	61.6215, -18.7865, 24.0203

Details

The CIELCh color **68, 36.618, 120.987** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **50, 39.439, 305.543**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 37.009, 121.170**, and **48, 36.910, 121.044** is the 20% darker color. If you saturate the color by 10%, you get **67, 45.774, 120.495**, and if you desaturate by 10%, it is **69, 27.144, 121.530**.

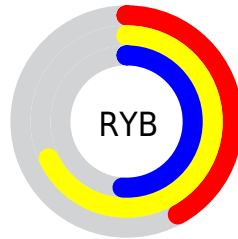
Distribution



Red (60%)

Green (68%)

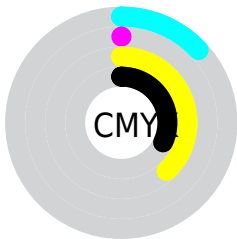
Blue (42%)



Red (42%)

Yellow (68%)

Blue (51%)

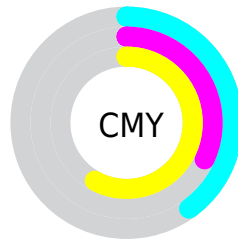


Cyan (13%)

Magenta (0%)

Yellow (38%)

Black (32%)



Cyan (40%)


Magenta (32%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 36.618, 120.987 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, 36.618, 120.987 by changing the saturation by 10% instead.


 68, 36.618,
120.987

 68, 36.618,
120.987


 100, 36.618,
120.987


 58, 36.618,
120.987


 88, 36.618,
120.987

 48, 36.618,
120.987

 98, 36.618,
120.987

 38, 36.618,
120.987

 28, 36.618,
120.987

 18, 36.618,
120.987

 8, 36.618, 120.987

 0, 36.618, 120.987

68, 36.618,
120.987

68, 36.618,
120.987

67, 45.774,
120.495

69, 27.144,
121.530

67, 54.400,
120.099

69, 17.488,
122.086

66, 62.196,
119.876

70, 7.750, 122.637

66, 68.769,
119.923

71, 2.005, 303.130

65, 73.703,
120.354

72, 11.731,
303.651

65, 76.887,
121.206

73, 21.394,
304.120

65, 77.474,
121.387

74, 30.968,
304.554

75, 40.437,
304.955

■ 76, 44.936,
306.411

Harmonies

Complementary

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



68, 36.618, 120.987



50, 39.439, 305.543

Rectangle

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



68, 36.618, 120.987



68, 36.618, 170.987



68, 36.618, 300.987



68, 36.618, 350.987

Sweetspot

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



68, 36.619, 120.989



89, 13.316, 122.459



58, 23.180, 52.994



48, 9.019, 122.386



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, 36.619, 120.989



86, 54.610, 120.547



66, 41.979, 137.639



36, 5.505, 122.563



57, 69.557, 121.210



6, 11.866, 126.470

Inverse Universe

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



50, 39.439, 305.543



59, 60.073, 306.260



54, 42.520, 321.477



34, 5.603, 303.559



20, 86.914, 308.943



1, 11.572, 300.741

Previews

White Background



This preview shows how the CIELCh color 68, 36.618, 120.987 looks on a white background.

Color Contrast Check

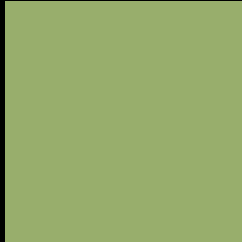
Large Text (above 18pt) WCAG AA × Fail

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, 36.618, 120.987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

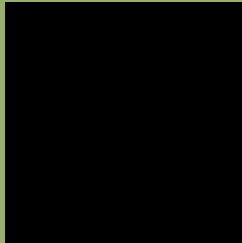
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 36.618, 120.987

Background



This preview shows how black text looks on a background with the CIELCh color 68, 36.618, 120.987.



This preview shows how white text looks on a background with the CIELCh color 68, 36.618, 120.987.

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](#).

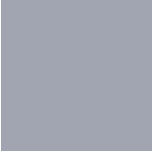
Dichromacy



Original Color
68, 36.618, 120.987

Protanopia
68, 33.196, 95.528

Deuteranopia
68, 31.378, 73.949



Tritanopia
68, 7.287, 279.380

Trichromacy



Original Color
68, 36.618, 120.987

Protanomaly
68, 33.476, 105.225

Deuteranomaly
68, 30.322, 93.184

Tritanomaly
68, 9.128, 134.315

Monochromacy



Original Color
68, 36.618, 120.987

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, 36.618, 120.987 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, 174, 108)` looks like.

```
.text, #text, p{  
    color:rgb(152, 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(152, 174, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 174, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 36.618, 120.987 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, 174, 108) }
```

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

```
.border{ border-color:rgb(152, 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(152, 174, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 174, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 174, 108);  
box-shadow:4px 4px 4px 4px rgb(152, 174,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 36.618, 120.987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 174, 108) }
```

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

```
.background{ background-color: rgb(152,  
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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