

# Converting Colors

CIELCh(68, 18.196, 129.722)

Have a look what the booklet for  
CIELCh(68, 18.196, 129.722)  
contains.

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# **Color**

**CIELCh(68, 18.261, 129.957)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AAB8C
RGB	154, 171, 140
RGB Percent	60%, 67%, 55%
CMY	0.3954, 0.3288, 0.4504
CMYK	0.10, 0.00, 0.18, 0.33
HSL	93°, 16%, 61%
HSV	93°, 18%, 67%
XYZ	32.6966, 37.9720, 30.4784
YIQ	162.3830, -0.1810, -13.2450

# Conversions

## Conversions Part 2

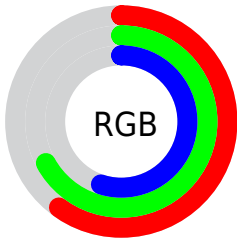
<b>Format</b>	<b>Color</b>
<b>RYB</b>	140, 171, 157
Decimal	10136460
CIELab	68.00, -11.73, 14.00
CIELCh	68, 18.261, 129.957
Yxy	37.9720, 0.3233, 0.3754
Android (android.graphics.Color)	4288326540 (0xFF9AAB8C)
YUV	162.3830, -11.0348, -7.3519
Hunter-Lab	61.6215, -13.1246, 13.8097

# Details

The CIELCh color **68, 18.261, 129.957** is a light color, and the websafe version is hex **999966**. A complement of this color would be **61, 18.663, 311.528**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 17.811, 129.535**, and **48, 18.262, 129.815** is the 20% darker color. If you saturate the color by 10%, you get **67, 28.318, 129.484**, and if you desaturate by 10%, it is **69, 8.165, 130.416**.

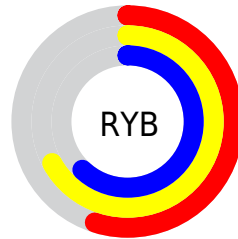
# Distribution



Red (60%)

Green (67%)

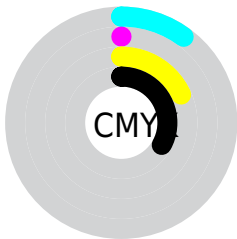
Blue (55%)



Red (55%)

Yellow (67%)

Blue (62%)

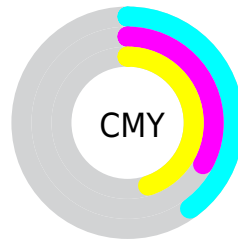


Cyan (10%)

Magenta (0%)

Yellow (18%)

Black (33%)



Cyan (40%)

Magenta (33%)


Yellow (45%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 18.261, 129.957 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, 18.261, 129.957 by changing the saturation by 10% instead.





 68, 18.261,  
129.957


 68, 18.261,  
129.957


 100, 18.261,  
129.957


 58, 18.261,  
129.957


 88, 18.261,  
129.957

 48, 18.261,  
129.957

 98, 18.261,  
129.957

 38, 18.261,  
129.957

 28, 18.261,  
129.957

 18, 18.261,  
129.957

 8, 18.261, 129.957

 0, 18.261, 129.957

68, 18.261,  
129.957

68, 18.261,  
129.957

67, 28.318,  
129.484

69, 8.165, 130.416

66, 38.226,  
129.005

70, 1.900, 310.755

65, 47.836,  
128.552

72, 11.878,  
311.186

64, 56.931,  
128.177

73, 21.733,  
311.533

64, 65.210,  
127.959

74, 31.437,  
311.839

63, 72.283,  
128.011

76, 40.972,  
312.111

63, 77.732,  
128.454

77, 47.879,  
313.343

62, 81.449,

78, 48.859,  
316.933

129.310

79, 50.008,  
320.429

62, 82.087,  
129.465

# Harmonies

# Complementary

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



68, 18.261, 129.957



61, 18.663, 311.528

# Rectangle

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



68, 18.261, 129.957



68, 18.261, 179.957



68, 18.261, 309.957



68, 18.261, 359.957

# Sweetspot

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



68, 18.263, 129.959



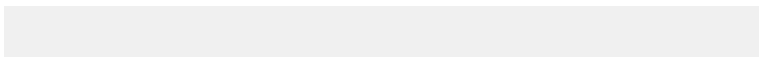
88, 6.203, 130.554



65, 10.861, 76.666



47, 4.268, 130.523



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, 18.263, 129.959



85, 27.388, 129.758



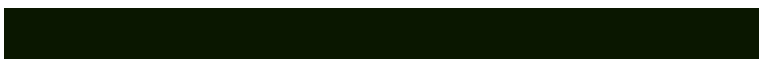
67, 20.457, 144.214



36, 5.759, 130.362



55, 74.524, 129.297



6, 12.429, 133.531



# Inverse Universe

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



61, 18.663, 311.528



74, 28.133, 311.731



62, 20.478, 326.324



34, 5.828, 311.123



24, 83.179, 313.235



1, 11.933, 307.447



# Previews

## White Background



This preview shows how the CIELCh color 68, 18.261, 129.957 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, 18.261, 129.957 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

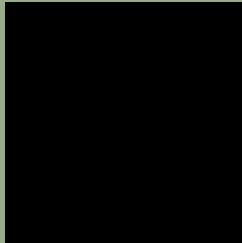
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 68, 18.261, 129.957**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 68, 18.261, 129.957.



This preview shows how white text looks on a background with the CIELCh color 68, 18.261, 129.957.

# 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

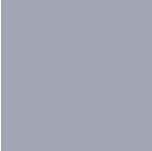


**Original Color**  
68, 18.261, 129.957

**Protanopia**  
68, 15.868, 93.729

**Deuteranopia**  
68, 15.468, 54.621





**Tritanopia**  
68, 7.443, 273.898

# Trichromacy



**Original Color**  
68, 18.261, 129.957

**Protanomaly**  
68, 15.859, 108.528

**Deuteranomaly**  
68, 12.851, 82.890

**Tritanomaly**  
68, 4.119, 175.528

# Monochromacy



**Original Color**  
68, 18.261, 129.957

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
67, 6.493, 130.382

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 18.261, 129.957 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(154, 171, 140)` looks like.

```
.text, #text, p{  
    color:rgb(154, 171, 140)  
}
```

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(154, 171, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 171, 140) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 18.261, 129.957 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(154, 171, 140) }
```

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

```
.border{ border-color:rgb(154, 171, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 171, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 171, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 171, 140);  
box-shadow:4px 4px 4px 4px rgb(154, 171,  
140) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 18.261, 129.957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 171, 140) }
```

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

```
.background{ background-color: rgb(154,  
171, 140) }
```

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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