

Converting Colors

CIELCh(68, 23.778, 133.645)

Have a look what the booklet for
CIELCh(68, 23.778, 133.645)
contains.

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Color

CIELCh(68, 23.684, 133.668)

Conversions

Conversions Part 1

Format	Color
Hex	93AD86
RGB	147, 173, 134
RGB Percent	58%, 68%, 53%
CMY	0.4223, 0.3203, 0.4733
CMYK	0.15, 0.00, 0.23, 0.32
HSL	100°, 19%, 60%
HSV	100°, 23%, 68%
XYZ	31.4185, 37.9720, 28.3399
YIQ	160.7800, -2.9770, -17.6410

Conversions

Conversions Part 2

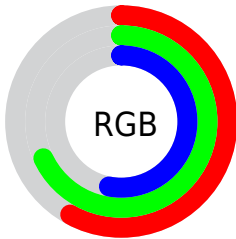
Format	Color
RYB	134, 173, 160
Decimal	9678214
CIELab	68.00, -16.35, 17.13
CIElCh	68, 23.684, 133.668
Yxy	37.9720, 0.3215, 0.3885
Android (android.graphics.Color)	4287868294 (0xFF93AD86)
YUV	160.7800, -13.2025, -12.0851
Hunter-Lab	61.6215, -16.8270, 15.8673

Details

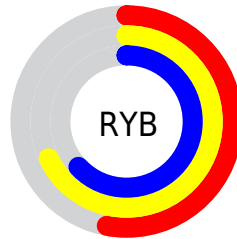
The CIELCh color **68, 23.684, 133.668** is a light color, and the websafe version is hex **999966**. A complement of this color would be **60, 24.137, 315.609**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 23.582, 133.615**, and **48, 24.032, 133.591** is the 20% darker color. If you saturate the color by 10%, you get **67, 34.161, 133.158**, and if you desaturate by 10%, it is **69, 13.138, 134.149**.

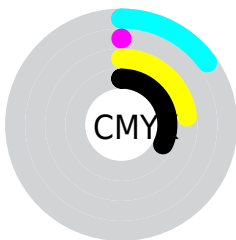
Distribution



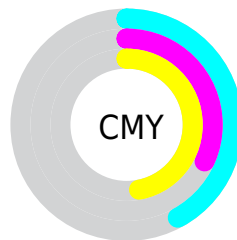
- Red (58%)
- Green (68%)
- Blue (53%)



- Red (53%)
- Yellow (68%)
- Blue (63%)



- Cyan (15%)
- Magenta (0%)
- Yellow (23%)
- Black (32%)



- Cyan (42%)
- Magenta (32%)
- Yellow (47%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 23.684, 133.668 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, 23.684, 133.668 by changing the saturation by 10% instead.

 68, 23.684,
133.668

 68, 23.684,
133.668

 100, 23.684,
133.668

 58, 23.684,
133.668

 88, 23.684,
133.668

 48, 23.684,
133.668

 98, 23.684,
133.668

 38, 23.684,
133.668

 28, 23.684,
133.668

 18, 23.684,
133.668

 8, 23.684, 133.668

 0, 23.684, 133.668

68, 23.684,
133.668

68, 23.684,
133.668

67, 34.161,
133.158

69, 13.138,
134.149

66, 44.425,
132.631

71, 2.619, 134.626

65, 54.283,
132.125

72, 7.800, 314.933

64, 63.464,
131.700

73, 18.070,
315.283

64, 71.604,
131.448

75, 28.155,
315.583

63, 78.268,
131.491

77, 38.034,
315.843


63, 83.058,
131.943

78, 47.390,
316.225

62, 85.642,

79, 48.813,
320.649

132.437

 81, 50.488,
324.880

Harmonies

Complementary

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



68, 23.684, 133.668



60, 24.137, 315.609

Rectangle

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



68, 23.684, 133.668



68, 23.684, 183.668



68, 23.684, 313.668



68, 23.684, 3.668

Sweetspot

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



68, 23.686, 133.669



88, 9.048, 134.396



66, 15.062, 86.921



47, 5.873, 134.370



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, 23.686, 133.669



85, 35.042, 133.419



67, 23.681, 147.307



36, 5.940, 134.296



55, 77.025, 132.280



6, 12.756, 136.617

Inverse Universe

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



60, 24.137, 315.609



73, 35.859, 315.827



61, 23.744, 330.178



34, 5.992, 315.034



27, 81.212, 316.493



1, 12.253, 311.585

Previews

White Background



This preview shows how the CIELCh color 68, 23.684, 133.668 looks on a white background.

Color Contrast Check

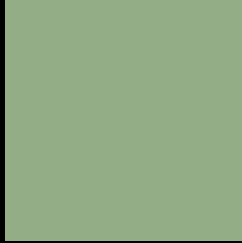
Large Text (above 18pt) WCAG AA × Fail

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, 23.684, 133.668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

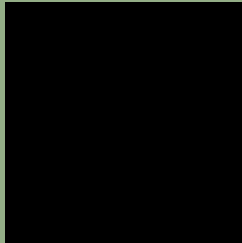
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 23.684, 133.668

Background



This preview shows how black text looks on a background with the CIELCh color 68, 23.684, 133.668.



This preview shows how white text looks on a background with the CIELCh color 68, 23.684, 133.668.

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](#).

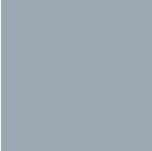
Dichromacy



Original Color
68, 23.684, 133.668

Protanopia
68, 19.684, 94.849

Deuteranopia
68, 18.026, 61.887



Tritanopia
68, 8.270, 259.469

Trichromacy



Original Color
68, 23.684, 133.668

Protanomaly
68, 19.658, 110.509

Deuteranomaly
68, 15.998, 92.294

Tritanomaly
68, 7.211, 171.549

Monochromacy



Original Color
68, 23.684, 133.668

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 8.490, 133.564

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 23.684, 133.668 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(147, 173, 134)` looks like.

```
.text, #text, p{  
    color:rgb(147, 173, 134)  
}
```

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(147, 173, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 173, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 23.684, 133.668 is called "border". The border property can be set on classes, ids or directly on the HTML element.

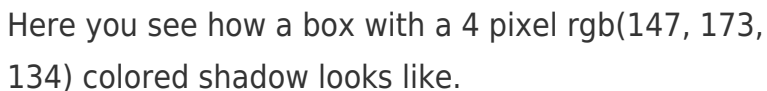
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 173, 134) }
```

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

```
.border{ border-color:rgb(147, 173, 134) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 173, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 173, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 173, 134);  
box-shadow:4px 4px 4px 4px rgb(147, 173,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 23.684, 133.668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 173, 134) }
```

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

```
.background{ background-color: rgb(147,  
173, 134) }
```

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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