

Converting Colors

CIELCh(68, 19.548, 118.638)

Have a look what the booklet for
CIELCh(68, 19.548, 118.638)
contains.

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Color

CIELCh(68, 19.436, 118.927)

Conversions

Conversions Part 1

Format	Color
Hex	A1AA87
RGB	161, 170, 135
RGB Percent	63%, 67%, 53%
CMY	0.3694, 0.3341, 0.4714
CMYK	0.05, 0.00, 0.21, 0.33
HSL	75°, 17%, 60%
HSV	75°, 21%, 67%
XYZ	33.3523, 37.9720, 28.4204
YIQ	163.3190, 5.8710, -12.7930

Conversions

Conversions Part 2

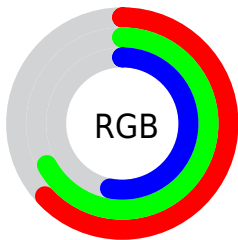
Format	Color
RYB	135, 170, 144
Decimal	10594951
CIELab	68.00, -9.40, 17.01
CIELCh	68, 19.436, 118.927
Yxy	37.9720, 0.3344, 0.3807
Android (android.graphics.Color)	4288785031 (0xFFA1AA87)
YUV	163.3190, -13.9613, -2.0338
Hunter-Lab	61.6215, -11.2253, 15.7899

Details

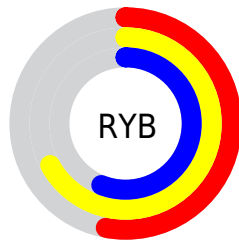
The CIELCh color **68, 19.436, 118.927** is a light color, and the websafe version is hex **999966**. A complement of this color would be **58, 20.256, 301.590**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 19.483, 118.611**, and **48, 19.579, 119.159** is the 20% darker color. If you saturate the color by 10%, you get **67, 28.735, 118.312**, and if you desaturate by 10%, it is **69, 10.025, 119.549**.

Distribution



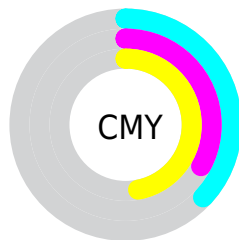
- Red (63%)
- Green (67%)
- Blue (53%)



- Red (53%)
- Yellow (67%)
- Blue (56%)



- Cyan (5%)
- Magenta (0%)
- Yellow (21%)
- Black (33%)




- Cyan (37%)
- Magenta (33%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 19.436, 118.927 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, 19.436, 118.927 by changing the saturation by 10% instead.

 68, 19.436,
118.927


 68, 19.436,
118.927


 100, 19.436,
118.927


 58, 19.436,
118.927


 88, 19.436,
118.927

 48, 19.436,
118.927

 98, 19.436,
118.927

 38, 19.436,
118.927

 28, 19.436,
118.927

 18, 19.436,
118.927

 8, 19.436, 118.927

 0, 19.436, 118.927

68, 19.436,
118.927

68, 19.436,
118.927

67, 28.735,
118.312

69, 10.025,
119.549

67, 37.815,
117.718

69, 0.568, 120.200

66, 46.524,
117.182

70, 8.886, 300.724

66, 54.637,
116.758

71, 18.303,
301.273

65, 61.832,
116.518

72, 27.657,
301.788

65, 67.703,
116.558

73, 36.929,
302.268


65, 71.861,
116.975

74, 46.105,
302.714

64, 74.399,

75, 47.003,
304.300

117.666

 75, 47.233,
305.989

Harmonies

Complementary

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



68, 19.436, 118.927



58, 20.256, 301.590

Rectangle

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



68, 19.436, 118.927



68, 19.436, 168.927



68, 19.436, 298.927



68, 19.436, 348.927

Sweetspot

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



68, 19.438, 118.930



88, 7.046, 119.825



62, 11.825, 44.601



47, 4.712, 119.787



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, 19.438, 118.930



86, 29.253, 118.629



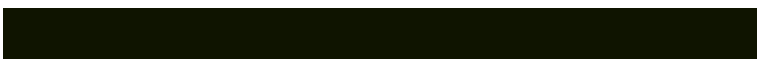
67, 21.855, 136.340



35, 5.309, 119.631



57, 67.166, 117.519



6, 9.825, 122.835

Inverse Universe

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



58, 20.256, 301.590



71, 30.809, 301.979



60, 22.127, 318.164



33, 5.412, 300.767



18, 86.941, 307.959



1, 9.688, 298.815

Previews

White Background



This preview shows how the CIELCh color 68, 19.436, 118.927 looks on a white background.

Color Contrast Check

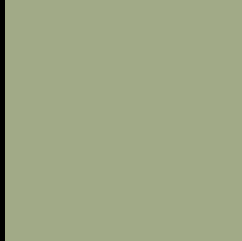
Large Text (above 18pt) WCAG AA × Fail

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, 19.436, 118.927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

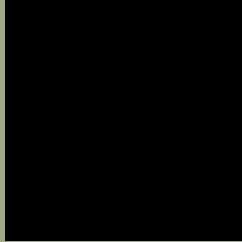
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 19.436, 118.927

Background



This preview shows how black text looks on a background with the CIELCh color 68, 19.436, 118.927.



This preview shows how white text looks on a background with the CIELCh color 68, 19.436, 118.927.

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, 19.436, 118.927

Protanopia
68, 18.093, 93.908

Deuteranopia
68, 18.026, 61.887



Tritanopia
68, 7.273, 299.653

Trichromacy



Original Color
68, 19.436, 118.927

Protanomaly
68, 18.066, 104.429

Deuteranomaly
68, 16.398, 83.509

Tritanomaly
68, 2.228, 119.776

Monochromacy



Original Color
68, 19.436, 118.927

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 6.707, 119.473

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 19.436, 118.927 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(161, 170, 135)` looks like.

```
.text, #text, p{  
    color:rgb(161, 170, 135)  
}
```

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(161, 170, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 170, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 19.436, 118.927 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(161, 170, 135) }
```

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

```
.border{ border-color:rgb(161, 170, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 170, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 170, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 170, 135);  
box-shadow:4px 4px 4px 4px rgb(161, 170,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 19.436, 118.927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 170, 135) }
```

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

```
.background{ background-color: rgb(161,  
170, 135) }
```

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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