

Converting Colors

CIELCh(68, 31.378, 103.701)

Have a look what the booklet for
CIELCh(68, 31.378, 103.701)
contains.

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Color

CIELCh(68, 31.420, 103.811)

Conversions

Conversions Part 1

Format	Color
Hex	ACA86E
RGB	172, 168, 110
RGB Percent	67%, 66%, 43%
CMY	0.3249, 0.3406, 0.5681
CMYK	0.00, 0.02, 0.36, 0.32
HSL	56°, 27%, 55%
HSV	56°, 36%, 68%
XYZ	33.8944, 37.9720, 20.3325
YIQ	162.5840, 21.0020, -17.1900

Conversions

Conversions Part 2

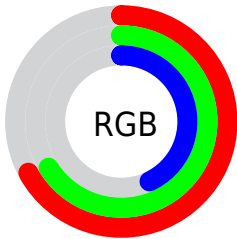
Format	Color
RYB	114, 172, 110
Decimal	11315310
CIELab	68.00, -7.50, 30.51
CIElCh	68, 31.420, 103.811
Yxy	37.9720, 0.3676, 0.4118
Android (android.graphics.Color)	4289505390 (0xFFACA86E)
YUV	162.5840, -25.9239, 8.2578
Hunter-Lab	61.6215, -9.6549, 23.5718

Details

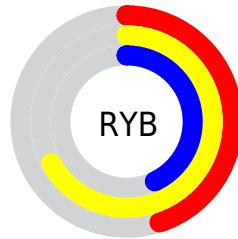
The CIELCh color **68, 31.420, 103.811** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **50, 33.950, 292.243**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 31.510, 103.934**, and **48, 31.461, 103.335** is the 20% darker color. If you saturate the color by 10%, you get **67, 39.783, 102.812**, and if you desaturate by 10%, it is **69, 22.814, 104.834**.

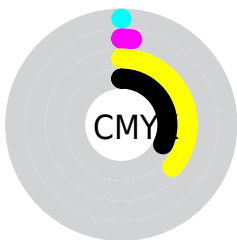
Distribution



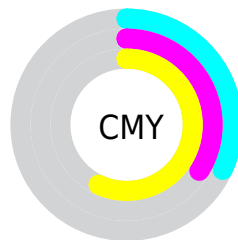
- Red (67%)
- Green (66%)
- Blue (43%)



- Red (45%)
- Yellow (67%)
- Blue (43%)



- Cyan (0%)
- Magenta (2%)
- Yellow (36%)
- Black (32%)





- Cyan (32%)
- Magenta (34%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 31.420, 103.811 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, 31.420, 103.811 by changing the saturation by 10% instead.


 68, 31.420,
103.811


 68, 31.420,
103.811


 100, 31.420,
103.811


 58, 31.420,
103.811


 88, 31.420,
103.811

 48, 31.420,
103.811

 98, 31.420,
103.811

 38, 31.420,
103.811

 28, 31.420,
103.811

 18, 31.420,
103.811

 8, 31.420, 103.811

 0, 31.420, 103.811

68, 31.420,
103.811

68, 31.420,
103.811

67, 39.783,
102.812

69, 22.814,
104.834

67, 47.714,
101.845

69, 14.080,
105.852

66, 54.930,
100.940

70, 5.290, 106.851

66, 61.031,
100.122

71, 3.508, 287.875

66, 65.545, 99.413

72, 12.287,
288.814

65, 68.130, 98.822

72, 21.028,
289.731

65, 68.913, 98.603

73, 29.718,
290.610

74, 38.349,
291.447

■ 75, 41.548,
291.450

Harmonies

Complementary

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



68, 31.420, 103.811



50, 33.950, 292.243

Rectangle

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



68, 31.420, 103.811



68, 31.420, 153.811



68, 31.420, 283.811



68, 31.420, 333.811

Sweetspot

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



68, 31.421, 103.815



88, 11.997, 106.339



53, 26.424, 17.605



47, 8.050, 106.208



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, 31.421, 103.815



86, 46.230, 103.035



67, 35.283, 124.965



36, 5.006, 106.527



58, 62.441, 98.651



7, 10.301, 106.121

Inverse Universe

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



50, 33.950, 292.243



59, 51.072, 293.666



51, 37.410, 308.653



34, 5.101, 288.458



18, 87.104, 305.298



1, 10.753, 287.991

Previews

White Background



This preview shows how the CIELCh color 68, 31.420, 103.811 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, 31.420, 103.811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

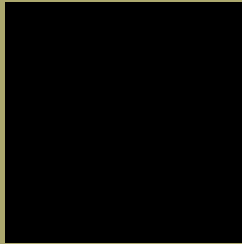
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 31.420, 103.811

Background



This preview shows how black text looks on a background with the CIELCh color 68, 31.420, 103.811.



This preview shows how white text looks on a background with the CIELCh color 68, 31.420, 103.811.

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, 31.420, 103.811

Protanopia
68, 31.519, 95.979

Deuteranopia
68, 30.912, 73.494



Tritanopia
68, 10.172, 335.630

Trichromacy



Original Color
68, 31.420, 103.811

Protanomaly
68, 31.709, 99.160

Deuteranomaly
68, 30.308, 84.700

Tritanomaly
68, 9.045, 71.545

Monochromacy



Original Color
68, 31.420, 103.811

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 11.528, 106.996

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 31.420, 103.811 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(172, 168, 110)` looks like.

```
.text, #text, p{  
    color:rgb(172, 168, 110)  
}
```

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(172, 168, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 168, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 31.420, 103.811 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(172, 168, 110) }
```

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

```
.border{ border-color:rgb(172, 168, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 168, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 168, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 168, 110);  
box-shadow:4px 4px 4px 4px rgb(172, 168,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 31.420, 103.811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 168, 110) }
```

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

```
.background{ background-color: rgb(172,  
168, 110) }
```

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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