

Converting Colors

CIELCh(68, 30.925, 103.799)

Have a look what the booklet for
CIELCh(68, 30.925, 103.799)
contains.

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Color

CIELCh(68, 30.895, 103.818)

Conversions

Conversions Part 1

Format	Color
Hex	ACA86F
RGB	172, 168, 111
RGB Percent	67%, 66%, 44%
CMY	0.3251, 0.3408, 0.5643
CMYK	0.00, 0.02, 0.35, 0.33
HSL	56°, 27%, 56%
HSV	56°, 35%, 67%
XYZ	33.9293, 37.9720, 20.6062
YIQ	162.6980, 20.6810, -16.8790

Conversions

Conversions Part 2

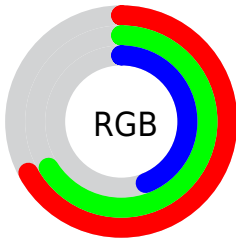
Format	Color
RYB	115, 172, 111
Decimal	11315311
CIELab	68.00, -7.38, 30.00
CIELCh	68, 30.895, 103.818
Yxy	37.9720, 0.3668, 0.4105
Android (android.graphics.Color)	4289505391 (0xFFACA86F)
YUV	162.6980, -25.4871, 8.1579
Hunter-Lab	61.6215, -9.5538, 23.3084

Details

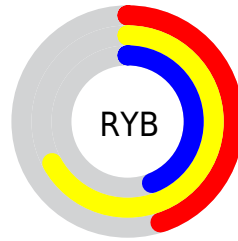
The CIELCh color **68, 30.895, 103.818** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **50, 33.324, 292.100**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 31.004, 103.923**, and **48, 30.925, 103.369** is the 20% darker color. If you saturate the color by 10%, you get **67, 39.268, 102.816**, and if you desaturate by 10%, it is **69, 22.289, 104.843**.

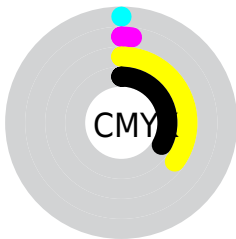
Distribution



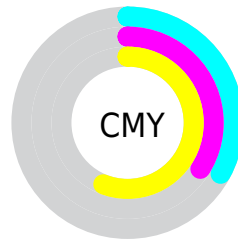
- Red (67%)
- Green (66%)
- Blue (44%)



- Red (45%)
- Yellow (67%)
- Blue (44%)



- Cyan (0%)
- Magenta (2%)
- Yellow (35%)
- Black (33%)





- Cyan (33%)
- Magenta (34%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 30.895, 103.818 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, 30.895, 103.818 by changing the saturation by 10% instead.


 68, 30.895,
103.818

 68, 30.895,
103.818


 100, 30.895,
103.818


 58, 30.895,
103.818


 88, 30.895,
103.818

 48, 30.895,
103.818

 98, 30.895,
103.818

 38, 30.895,
103.818

 28, 30.895,
103.818

 18, 30.895,
103.818

 8, 30.895, 103.818

 0, 30.895, 103.818

68, 30.895,
103.818

68, 30.895,
103.818

67, 39.268,
102.816

69, 22.289,
104.843

67, 47.223,
101.845

69, 13.560,
105.862

66, 54.485,
100.933

70, 4.780, 106.859

66, 60.660,
100.105

71, 4.007, 287.881

66, 65.275, 99.386

72, 12.772,
288.822

65, 67.957, 98.783

72, 21.498,
289.737

65, 68.850, 98.529

73, 30.173,
290.614

74, 38.789,
291.449

■ 75, 41.482,
291.371

Harmonies

Complementary

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



68, 30.895, 103.818



50, 33.324, 292.100

Rectangle

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



68, 30.895, 103.818



68, 30.895, 153.818



68, 30.895, 283.818



68, 30.895, 333.818

Sweetspot

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



68, 30.896, 103.822



88, 11.984, 106.290



53, 25.954, 17.518



47, 8.042, 106.160



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, 30.896, 103.822



86, 46.186, 102.983



67, 34.727, 124.993



36, 5.001, 106.479



58, 62.396, 98.578



7, 10.285, 106.050

Inverse Universe

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



50, 33.324, 292.100



59, 51.011, 293.623



52, 36.781, 308.618



34, 5.095, 288.412



18, 87.055, 305.282



1, 10.743, 287.953

Previews

White Background



This preview shows how the CIELCh color 68, 30.895, 103.818 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, 30.895, 103.818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

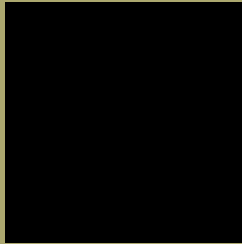
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 30.895, 103.818

Background



This preview shows how black text looks on a background with the CIELCh color 68, 30.895, 103.818.



This preview shows how white text looks on a background with the CIELCh color 68, 30.895, 103.818.

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, 30.895, 103.818

Protanopia
68, 30.999, 95.866

Deuteranopia
68, 30.612, 74.177



Tritanopia
68, 10.172, 335.630

Trichromacy



Original Color
68, 30.895, 103.818

Protanomaly
68, 31.186, 99.097

Deuteranomaly
68, 29.807, 84.394

Tritanomaly
68, 8.803, 73.600

Monochromacy



Original Color
68, 30.895, 103.818

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, 30.895, 103.818 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, 111)` looks like.

```
.text, #text, p{  
    color:rgb(172, 168, 111)  
}
```

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, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 168, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 30.895, 103.818 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, 111) }
```

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

```
.border{ border-color:rgb(172, 168, 111) }
```

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, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 168, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 168, 111);  
box-shadow:4px 4px 4px 4px rgb(172, 168,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 30.895, 103.818 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, 111) }
```

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

```
.background{ background-color: rgb(172,  
168, 111) }
```

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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